

Single Kinase Substrate Peptides

Sequence	ID	Protein Names	Region	Phosphate Acceptor / Kinases
DFRTRESTAKKIK	RGS1_HUMAN	REGULATOR OF G-PROTEIN SIGNALING 1 (RGS1) (EARLY RESPONSE PROTEIN 1R20) (B-CELL ACTIVATION PROTEIN BL34).	D139 K151	T146 / PKC (potential)
ERSKTVTSFYNQS	BCKD_HUMAN	[3-METHYL-2-OXOBUTANOATE DEHYDROGENASE (LIPOAMIDE)] KINASE, MITOCHONDRIAL (EC 2.7.1.115) (BRANCHED-CHAIN ALPHA-KETOACID DEHYDROGENASE KINASE) (BCKDHKIN) (BCKD-KINASE).	E45 S57	S52 (autophosphorylation)
LTLWTSDSAGEEC	B140-A	14-3-3 PROTEIN TAU (14-3-3 PROTEIN THETA) (HS1 PROTEIN)	L225 C237	S 232 / CKI alpha
FYYEILNSPEKAC	143Z_HUMAN	14-3-3 PROTEIN ZETA/DELTA (PROTEIN KINASE C INHIBITOR PROTEIN-1) (KCIP-1) (FACTOR ACTIVATING EXOENZYME S) (FAS).	F177 C189	S184 / proline-directed kinases
YDVSRMYVDPSEI	PIG2_HUMAN	1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE GAMMA (EC 3.1.4.11) (PLC-GAMMA-2) (PHOSPHOLIPASE C-GAMMA-2) (PLC-IV)	Y753 I765	Y753 / Lck, Fyn, Lyn; Y759 / Lck, Fyn, Lyn
RDINSLYDVSRMY	PIG2_HUMAN	1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE GAMMA (EC 3.1.4.11) (PLC-GAMMA-2) (PHOSPHOLIPASE C-GAMMA-2) (PLC-IV)	R 747 Y759	Y753 / Lck, Fyn, Lyn; Y759 / Lck, Fyn, Lyn
EGSFESRYQQPFE	PIP4_HUMAN	1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE GAMMA 1 (EC 3.1.4.11) (PLC-GAMMA-1) (PHOSPHOLIPASE C-GAMMA-1) (PLC-II) (PLC-148).	E1246 E1258	S 1248 / PKC, PKA; Y 1253
IGTAEPDYGALYE	PIP4_HUMAN	1-PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE GAMMA 1 (EC 3.1.4.11) (PLC-GAMMA-1) (PHOSPHOLIPASE C-GAMMA-1) (PLC-II) (PLC-148).	I 764 E776	Y771 / Syk
DDSSAYRSVDEVN	ODBA_HUMAN	2-OXOISOVALERATE DEHYDROGENASE ALPHA SUBUNIT, MITOCHONDRIAL (EC 1.2.4.4) (BRANCHED-CHAIN ALPHA-KETO ACID DEHYDROGENASE COMPONENT ALPHA CHAIN (E1)) (BCKDH E1-ALPHA).	D338 N350	S345

TYRIGHH S TSDDS	ODBA_HUMAN	2-OXOISOVALERATE DEHYDROGENASE ALPHA SUBUNIT, MITOCHONDRIAL (EC 1.2.4.4) (BRANCHED-CHAIN ALPHA-KETO ACID DEHYDROGENASE COMPONENT ALPHA CHAIN (E1)) (BCKDH E1-ALPHA).	T328 S340	S335
RL S SLRA S TSK S E	B043-C	40S RIBOSOMAL PROTEIN S6 (PHOSPHOPROTEIN NP33)	R233 E245	S235 / S6/H4 kinase ; S236 / S6/H4 kinase ; S240 / S6/H4 kinase ; S242 / S6/H4 kinase; S244
IAKRRL S SLRA S	RS6_HUMAN	40S RIBOSOMAL PROTEIN S6 (PHOSPHOPROTEIN NP33).	I228 S240	S235 / S6/H4 kinase ; S236 / S6/H4 kinase ; S240 / S6/H4 kinase
L S SLRA S TSK S ES	RS6_HUMAN	40S RIBOSOMAL PROTEIN S6 (PHOSPHOPROTEIN NP33).	L234 S246	S235 / S6/H4 kinase ; S236 / S6/H4 kinase ; S240 / S6/H4 kinase ; S242 / S6/H4 kinase; S244
PPGDYST T PGGTL	Q13541	4E-BINDING PROTEIN 1 (EUKARYOTIC TRANSLATION INITIATION FACTOR 4BINDING PROTEIN 1)	P30 L42	T37 /RAFT1/FRAP/mTOR
SDGEFLR T SCGSP	AAK1_HUMAN	5'-AMP-ACTIVATED PROTEIN KINASE, CATALYTIC ALPHA-1 CHAIN (EC 2.7.1.-) (AMPK ALPHA-1 CHAIN) (FRAGMENT).	S167 P179	T174 (autophosphorylation)
EEDTDED S DNEIH	PP65_HCMVT	64 KDA LOWER MATRIX PHOSPHOPROTEIN (PP64) (GP64).	E455 H467	S462
PLASPE P TKKPRI	F26P_HUMAN	6PF-2-K/FRU-2,6-P2ASE BRAIN/PLACENTA-TYPE ISOZYME [INCLUDES: 6- PHOSPHOFRUCTO-2-KINASE (EC 2.7.1.105); FRUCTOSE-2,6-BISPHOSPHATASE (EC 3.1.3.46)].	P464 I476	T471 / PKC
NPLMRRN S VTPLA	F26P_HUMAN	6PF-2-K/FRU-2,6-P2ASE BRAIN/PLACENTA-TYPE ISOZYME [INCLUDES: 6- PHOSPHOFRUCTO-2-KINASE (EC 2.7.1.105); FRUCTOSE-2,6-BISPHOSPHATASE (EC 3.1.3.46)].	N454 A466	S461 / PKA
RLQRRRG S SIPQF	F26L_HUMAN	6PF-2-K/FRU-2,6-P2ASE LIVER ISOZYME [INCLUDES: 6- PHOSPHOFRUCTO-2- KINASE (EC 2.7.1.105); FRUCTOSE-2,6-BISPHOSPHATASE (EC 3.1.3.46)].	R26 F38	S33 / PKA
LNVAAVN T HRDRP	F264_HUMAN	6-PHOSPHOFRUCTO-2-KINASE/FRUCTOSE-2,6-BIPHOSPHATASE 4 (6PF-2-K/FRU- 2,6-P2ASE TESTIS-TYPE ISOZYME) [INCLUDES: 6-PHOSPHOFRUCTO-2-KINASE (EC 2.7.1.105); FRUCTOSE-2,6-BISPHOSPHATASE (EC 3.1.3.46)].	L436 P448	T443 / PKC
LEHVTRRTL S MDK	B063-A	6-PHOSPHOFRUCTOKINASE, LIVER TYPE	L766 K778	T772 / PKA
WGRGTDE Y FIRKP	ACHB_HUMAN	ACETYLCHOLINE RECEPTOR PROTEIN, BETA CHAIN .	W383 P395	Y390 / TYR-Kinasen
YISKAE E YFL L KS	ACHD_HUMAN	ACETYLCHOLINE RECEPTOR PROTEIN, DELTA CHAIN .	Y383 S395	Y390 / TYR-Kinasen
IPTLNRM S FSSNL	COA1_HUMAN	ACETYL-COA CARBOXYLASE 1 (EC 6.4.1.2) (ACC-ALPHA)	I1194 L1206	S1201

		[INCLUDES: BIOTIN CARBOXYLASE (EC 6.3.4.14)].		
LALHIRSSWSGLH	COA1_HUMAN	ACETYL-COA CARBOXYLASE 1 (EC 6.4.1.2) (ACC-ALPHA) [INCLUDES: BIOTIN CARBOXYLASE (EC 6.3.4.14)].	L71 H83	S 78; S80 / AMPK
RVPTMRPSMSGLH	COA2_HUMAN	ACETYL-COA CARBOXYLASE 2 (EC 6.4.1.2) (ACC-BETA) [INCLUDES: BIOTIN CARBOXYLASE (EC 6.3.4.14)].	R212 H224	S219; S221 / AMPK
PSFLRAPSWFDTG	CRAB_HUMAN	ALPHA CRYSTALLIN B CHAIN (ALPHA(B)-CRYSTALLIN) (ROSENTHAL FIBER COMPONENT).	P52 G64	S53; S59 / MAP kinase, MAPKAP
FPTSTSLSPFYLR	CRAB_HUMAN	ALPHA CRYSTALLIN B CHAIN (ALPHA(B)-CRYSTALLIN) (ROSENTHAL FIBER COMPONENT).	F38 R50	S43; S45 / MAPkinase, MAPKAP
SGASTGIYEAL	A003-A	ALPHA ENOLASE	S36 L48	Y43 / v-Src; Y43 / gag-fps; Y43 / p140gag-fps
YVVAKRESRGLKS	A1AA_HUMAN	ALPHA-1A ADRENERGIC RECEPTOR (ALPHA 1A- ADRENOCEPTOR) (ALPHA-1C ADRENERGIC RECEPTOR).	Y208 S220	S215 / PKA
ESSISSSEEMSL	CAS1_HUMAN	ALPHA-S1 CASEIN .	E84 L96	S86; S88; S89; S90; S91 (potential)
EKMESSISSSEE	CAS1_HUMAN	ALPHA-S1 CASEIN .	E81 E93	S86; S88; S89; S90; S91 (potential)
AEPEKMESSISS	CAS1_HUMAN	ALPHA-S1 CASEIN .	A78 S90	S86; S88; S89; S90 (potential)
HPGYINFSEVLT	AMEX_HUMAN	AMELOGENIN, X ISOFORM .	H25 T37	S32
AGERRKGTDVNVF	B088-D	ANNEXIN I (LIPOCORTIN I) (CALPACTIN II)	A208 F220	T215 / adenosine cyclic 3',5'-phosphate dependent protein kinase
EEQEYVQTVKSSK	B088-C	ANNEXIN I (LIPOCORTIN I) (CALPACTIN II)	E16 K28	Y20 / EGFR; T23; S26 / PKC
EYVQTVKSSKGGP	B088-A	ANNEXIN I (LIPOCORTIN I) (CALPACTIN II)	E19 P31	Y20 / EGFR; T23; S26 / PKC
IENEEQEYVQTVK	B088-E	ANNEXIN I (LIPOCORTIN I) (CALPACTIN II)	I13 K25	Y20 / EGFR; T23
HSTPPSAYGSVKA	ANX2_HUMAN	ANNEXIN II (LIPOCORTIN II) (CALPACTIN I HEAVY CHAIN) (CHROMOBINDIN 8) (P36) (PROTEIN I) (PLACENTAL ANTICOAGULANT PROTEIN IV) (PAP-IV).	H16 A28	Y23 / pp60v-scr: S25 / PKC
FQDIQQLSSEEND	LECI_HUMAN	ASIALOGLYCOPROTEIN RECEPTOR 2 (HEPATIC LECTIN H2) (ASGP-R) (ASGPR).	F5 D17	S12 / PKC
KDIIRQPSEEEII	PE15_HUMAN	ASTROCYTIC PHOSPHOPROTEIN PEA-15 (PED).	K109 I121	S116 / PKB
TKLTRIPSAKKYK	PE15_HUMAN	ASTROCYTIC PHOSPHOPROTEIN PEA-15 (PED).	T97 K109	S104 / PKC
PAPSRTASFYESM	ACLY_HUMAN	ATP-CITRATE (PRO-S)-LYASE (EC 4.1.3.8) (CITRATE CLEAVAGE ENZYME).		

REEAIKF S EEQRF	KU86_HUMAN	ATP-DEPENDENT DNA HELICASE II, 80 KDA SUBUNIT (LUPUS KU AUTOANTIGEN PROTEIN P86) (KU86) (KU80) (86 KDA SUBUNIT OF KU ANTIGEN) (THYROID- LUPUS AUTOANTIGEN) (TLAA) (CTC BOX BINDING FACTOR 85 KDA SUBU IT) (CTCBF) (CTC85) (NUCLEAR FACTOR IV) (DNA-REPAIR PROTEIN XRCC5).	R642 F654	S649 / Nuclear Kinase NII
ATDYHTT S HPGTH	B3AT_HUMAN	BAND 3 ANION TRANSPORT PROTEIN (ANION EXCHANGE PROTEIN 1) (AE 1).	A43 H55	Y46 / CK; S50 / CK
EDPDIPES S QMEEP	B3AT_HUMAN	BAND 3 ANION TRANSPORT PROTEIN (ANION EXCHANGE PROTEIN 1) (AE 1).	E22 P34	S29 / CK
TEATATDYHTT S H	B3AT_HUMAN	BAND 3 ANION TRANSPORT PROTEIN (ANION EXCHANGE PROTEIN 1) (AE 1).	T39 H51	Y46 / CK; S50 / CK
ALTSNQE Y LDLSM	FGR1_HUMAN	BASIC FIBROBLAST GROWTH FACTOR RECEPTOR 1 (BFGF-R) (EC 2.7.1.112) (FMS-LIKE TYROSINE KINASE-2) (C-FGR).	A759 M771	Y766 / FGFR1
QNLNEDV S QEESP	PRP5_HUMAN	BASIC PROLINE-RICH PEPTIDE IB-1.	Q1 P13	S8
E Y EDENL Y EGLNL	C79A_HUMAN	B-CELL ANTIGEN RECEPTOR COMPLEX ASSOCIATED PROTEIN ALPHA-CHAIN (IG-ALPHA) (MB-1 MEMBRANE GLYCOPROTEIN) (SURFACE-IGM- ASSOCIATED PROTEIN) (MEMBRANE-BOUND IMMUNOGLOBULIN ASSOCIATED PROTEIN (CD79A).	E181 L193	Y182 / C-jun; Y188 / Lyn
LQNLAKASPV Y LD	TRKB_HUMAN	BDNF/NT-3 GROWTH FACTORS RECEPTOR (EC 2.7.1.112) (TRKB TYROSINE KINASE) (GP145-TRKB) (TRK-B).	L807 D819	Y817 (autophosphorylation)
RDV Y STD Y RVGG	TRKB_HUMAN	BDNF/NT-3 GROWTH FACTORS RECEPTOR (EC 2.7.1.112) (TRKB TYROSINE KINASE) (GP145-TRKB) (TRK-B).	R699 G711	Y702; Y706; Y707 (alle autophosphorylation)
PVIENPQ Y FGITN	TRKB_HUMAN	BDNF/NT-3 GROWTH FACTORS RECEPTOR (EC 2.7.1.112) (TRKB TYROSINE KINASE) (GP145-TRKB) (TRK-B).	P509 N521	Y516 (autophosphorylation)
MEQKKRV T MILQS	ADDB_HUMAN	BETA ADDUCIN (ERYTHROCYTE ADDUCIN BETA SUBUNIT).	M48 S60	T55 / PKA
GSPSKSP S KKKKK	ADDB_HUMAN	BETA ADDUCIN (ERYTHROCYTE ADDUCIN BETA SUBUNIT).	G696 K708	S703 / PKC
KKKFRTP S FLKKS	ADDB_HUMAN	BETA ADDUCIN (ERYTHROCYTE ADDUCIN BETA SUBUNIT).	K706 S718	S713 /PKC, PKA
ALALARE T IES L S	CASB_HUMAN	BETA CASEIN .	A11 S23	T18 S21 S23
T IES L SS S SEESIT	CASB_HUMAN	BETA CASEIN .	T18 T30	T18; S21; S23; S24; S25
LARE T IES L SS S E	CASB_HUMAN	BETA CASEIN .	L14 E26	T18; S21; S23; S24; S25
I ES L SS S SEESITE	CASB_HUMAN	BETA CASEIN .	I19 E31	S21; S23; S24; S25
DMKGDVK Y ADIES	A002-G	BETA PLATELET-DERIVED GROWTH FACTOR RECEPTOR	D756 S768	Y763 / PDGFR1
SSN Y MAP Y DN Y VP	A002-I	BETA PLATELET-DERIVED GROWTH FACTOR RECEPTOR	S768 P780	Y771 / PDGFR; Y775 /

				PDGFR; Y778 / PDGFR
VSSDGHE Y I Y VDP	A002-C	BETA PLATELET-DERIVED GROWTH FACTOR RECEPTOR	V572 P584	Y579 / PDGFR; Y581 / PDGFR
LDTSSV L Y T AVQP	A002-K	BETA PLATELET-DERIVED GROWTH FACTOR RECEPTOR	L1002 P1014	Y1009 / PDGFR
RPPSAEL Y SNALP	A002-E	BETA PLATELET-DERIVED GROWTH FACTOR RECEPTOR	R709 P721	Y716 / PDGFR
ADIESS N Y M AP Y D	A002-H	BETA PLATELET-DERIVED GROWTH FACTOR RECEPTOR	A764 D776	Y771 / PDGFR; Y775 / PDGFR
TGESDGG Y MDMSK	A002-F	BETA PLATELET-DERIVED GROWTH FACTOR RECEPTOR	T733 K745	Y740 / PDGFR
Y MAP Y D N Y V PSAP	A002-J	BETA PLATELET-DERIVED GROWTH FACTOR RECEPTOR	Y771 P783	Y771 / PDGFR; Y775 / PDGFR; Y778 / PDGFR
DIMRDS N Y I SKGS	PGDR_HUMAN	BETA PLATELET-DERIVED GROWTH FACTOR RECEPTOR (EC 2.7.1.112) (PDGF-R-BETA) (CD140B ANTIGEN).	D850 S862	Y857 / PDGFR
SKDESVD Y VPMLD	PGDR_HUMAN	BETA PLATELET-DERIVED GROWTH FACTOR RECEPTOR (EC 2.7.1.112) (PDGF-R-BETA) (CD140B ANTIGEN).	S744 D756	Y751 / PDGFR
RAGKRR P SRLVAL	B1AR_HUMAN	BETA-1 ADRENERGIC RECEPTOR.	R305 L317	S312 / PKA
HGDRPR A SGCLAR	B1AR_HUMAN	BETA-1 ADRENERGIC RECEPTOR.	H405 R417	S412 / PKA
D S QGRNC S TND S L	B204-C	BETA-2 ADRENERGIC RECEPTOR	D400 L411	S401 / GRK2, GRK5; S407 / GRK2, GRK5; S411 / GRK5
V P S D NID S QGRNC	B204-B	BETA-2 ADRENERGIC RECEPTOR	V394 C406	S396 / GRK2, GRK5; S401 / GRK2, GRK5
DFVGHQ G T V P S DN	B204-F	BETA-2 ADRENERGIC RECEPTOR	D386 N398	T393 / GRK5; S396 / GRK2, GRK5
S QGRNC S TND S LL	B204-D	BETA-2 ADRENERGIC RECEPTOR	S401 L413	S401 / GRK2, GRK5; S407 / GRK2, GRK5; S411 / GRK5
LCEDLP G T E DFVG	B204-E	BETA-2 ADRENERGIC RECEPTOR	L377 G389	T384 / GRK2, GRK5
GHQ G T V P S DNID S	B204-A	BETA-2 ADRENERGIC RECEPTOR	G389 S401	T393 / GRK5; S396 / GRK2, GRK5; S401 / GRK2, GRK5
K A Y G NG Y SS N GN T	B2AR_HUMAN	BETA-2 ADRENERGIC RECEPTOR.	K348 T360	Y350 / TYR-kinase; Y354 / TYR-kinase; S355 / BARK; S356 / BARK
ELLCLRR S SLKAY	B2AR_HUMAN	BETA-2 ADRENERGIC RECEPTOR.	E338 Y350	S345 / PKC, PKA, betaARK; S346 / PKC, PKA, betaARK
APNVHIN T IEPVN	KRAB_HUMAN	B-RAF PROTO-ONCOGENE SERINE/THREONINE-PROTEIN KINASE (EC 2.7.1.-) (P94).	A365 N377	T 372 (autophosphorylation)
DPGSVL S TACGTP	KCC1_HUMAN	CALCIUM/CALMODULIN-DEPENDENT PROTEIN KINASE TYPE I (EC 2.7.1.123) (CAM KINASE I).	D170 P182	T177 / calcium-calmodulin PK I

APTKRNS S PPSP	B089-A	CALCIUM-TRANSPORTING ATPASE PLASMA MEMBREANE (CALCIUM PUMP)	A1171 P1183	S1178 / PKA
LDRDGS R SLDADE	CAYP_HUMAN	CALCYPHOSINE.	L33 E45	S40 / PKA
INEWLTK T PDGNK	CALD_HUMAN	CALDESMON (CDM).	I746 K758	T753 / CDC2 Kinase
EKGNVFS S SPTAAG	CALD_HUMAN	CALDESMON (CDM).	E717 G729	S724 / CDC2 Kinase
S SPTAAG T PNKET	CALD_HUMAN	CALDESMON (CDM).	S723 T735	S724 / CDC2 Kinase; T730 / CDC2 Kinase
K T PDGNK S PAPKP	CALD_HUMAN	CALDESMON (CDM).	K752 P764	S753 / CDC2 Kinase; S759 / CDC2 Kinase
KDGN G Y I SAAELR	B227-A	CALMODULIN	K94 R106	Y99 / INSR; S101 / CK2
FDKDG N G Y ISAAE	B227-C	CALMODULIN	F92 E104	Y99 / INSR; S101 / CK2
MARKMKD T DSEEE	B227-B	CALMODULIN	M72 E84	T79 / CK2
TPQ T Q S TSGRRR	B116-B	cAMP RESPONSE ELEMENT-BINDING PROTEIN CRE-BP1	T333 R345	S340 / PKC
FGPARND S VIVAD	B116-A	cAMP RESPONSE ELEMENT-BINDING PROTEIN CRE-BP1	F55 D67	S62 / PKA
ERNRAAA S RRCRQK	B116-C	cAMP RESPONSE ELEMENT-BINDING PROTEIN CRE-BP1	E360 K372	S367 / PKC
SRFNRRV S VCAET	KAP2_HUMAN	CAMP-DEPENDENT PROTEIN KINASE TYPE II-ALPHA REGULATORY CHAIN.	S91 T103	S98
NRFTRR S VCAEA	KAP3_HUMAN	CAMP-DEPENDENT PROTEIN KINASE TYPE II-BETA REGULATORY CHAIN.	N106 A118	S113 / autophosphorylation
EEEDIRV S ITEKC	KAPB_HUMAN	CAMP-DEPENDENT PROTEIN KINASE, BETA-CATALYTIC SUBUNIT (EC 2.7.1.37) (PKA C-BETA).	E331 C343	S338
RVKGR T W T LCGTP	KAPG_HUMAN	CAMP-DEPENDENT PROTEIN KINASE, GAMMA-CATALYTIC SUBUNIT (EC 2.7.1.37) (PKA C-GAMMA).	R190 P202	T197 / autophosphorylation
QKRREIL S RRPS Y	B015-A	cAMP-RESPONSE ELEMENT BINDING PROTEIN (CREB)	Q122 Y134	S133 / PKA, MAPK, CaMK, RSK2
EIL S RRP S YRKIL	B015-B	cAMP-RESPONSE ELEMENT BINDING PROTEIN (CREB)	E126 L138	S133 / PKA, MAPK, CaMK, RSK2
RSAIRRA S T I EMP	PPLA_HUMAN	CARDIAC PHOSPHOLAMBAN (PLB).	R9 P21	S16 / PKA; T17 / CAMK
M S SSEEV S WISWF	KC2B_HUMAN	CASEIN KINASE II BETA CHAIN (CK II) (EC 2.7.1.37) (PHOSVITIN).	M1 F13	S2 / autophosphorylation
PLG P LAG S PVIAA	B197-B	CASEIN KINASE II, ALPHA CHAIN (CKII) (EC 2.7.1.37)	P363 A375	S370 / p34cdc2
I S SV P T S PLGPL	B197-A	CASEIN KINASE II, ALPHA CHAIN (CKII) (EC 2.7.1.37)	I355 L367	T360 / p34cdc2; S362 / p34cdc2
S SM P GG S T PVSSA	B197-C	CASEIN KINASE II, ALPHA CHAIN (CKII) (EC 2.7.1.37)	S337 A349	T344 / p34cdc2
SGI S SV P T S PLG	B197-D	CASEIN KINASE II, ALPHA CHAIN (CKII) (EC 2.7.1.37)	S353 G365	T360 / p34cdc2; S362 /

				p34cdc2
HQRRKYR S NKGES	TNR7_HUMAN	CD27L RECEPTOR (T-CELL ACTIVATION ANTIGEN CD27) (T14).	H212 S224	S219
YDPAKRISGKMAL	B196-A	CELL DIVISION CONTROL PROTEIN 2 HOMOLOG (P34 PROTEIN KINASE)	Y270 L282	
GVPVRTY T HEVVT	CDK2_HUMAN	CELL DIVISION PROTEIN KINASE 2 (EC 2.7.1.-) (P33 PROTEIN KINASE).	G153 T165	T160 / CAK
EKIGEG T YGVVYK	CDK2_HUMAN	CELL DIVISION PROTEIN KINASE 2 (EC 2.7.1.-) (P33 PROTEIN KINASE).	E8 K20	T14; Y15
YSYQMAL T PVVVT	CDK4_HUMAN	CELL DIVISION PROTEIN KINASE 4 (EC 2.7.1.-) (CYCLIN-DEPENDENT KINASE 4) (PSK-J3).	Y165 T177	T172 / CAK
GIPVRCY S AEVVT	CDK5_HUMAN	CELL DIVISION PROTEIN KINASE 5 (EC 2.7.1.-) (TAU PROTEIN KINASE II CATALYTIC SUBUNIT) (TPKII CATALYTIC SUBUNIT) (SERINE/THREONINE-PROTEIN KINASE PSSALRE).	G152 T164	S159 / CK1
LEKIGEG T YGTVF	CDK5_HUMAN	CELL DIVISION PROTEIN KINASE 5 (EC 2.7.1.-) (TAU PROTEIN KINASE II CATALYTIC SUBUNIT) (TPKII CATALYTIC SUBUNIT) (SERINE/THREONINE-PROTEIN KINASE PSSALRE).	L7 F19	T14; Y15 / c-Abl kinase
G S PNRAY T HQVVT	CDK7_HUMAN	CELL DIVISION PROTEIN KINASE 7 (EC 2.7.1.-) (CDK-ACTIVATING KINASE) (CAK) (39 KDA PROTEIN KINASE) (P39 MO15) (STK1) (CAK1).	G163 T175	S164 / CDC2, CDK2; T170 / CDC2, CDK2
GLAKSFG S PNRAY	CDK7_HUMAN	CELL DIVISION PROTEIN KINASE 7 (EC 2.7.1.-) (CDK-ACTIVATING KINASE) (CAK) (39 KDA PROTEIN KINASE) (P39 MO15) (STK1) (CAK1).	G157 Y169	S164 / CDC2, CDK2
PSVEPPL S Q T F S	P53_HUMAN	CELLULAR TUMOR ANTIGEN P53 (PHOSPHOPROTEIN P53).	P8 S20	S15 / ATR, PRPK; T18 / CK1, ATR, VRK1; S20 / PLK3, ATR
NVLSPLP S QAMDD	P53_HUMAN	CELLULAR TUMOR ANTIGEN P53 (PHOSPHOPROTEIN P53).	N30 D42	S33 / GSK3 beta kinase, CAK ; S37 / ATR
PPL S Q T F S DLWK	P53_HUMAN	CELLULAR TUMOR ANTIGEN P53 (TUMOR SUPPRESSOR P53) (PHOSPHOPROTEIP53)	P12 K24	S15 / ATR, PRPK; T18 / CK1, ATR, VRK1; S20 / PLK3, ATR
HHKLVL P SNTPNV	CENC_HUMAN	CENTROMERE PROTEIN C (CENP-C) (CENTROMERE AUTOANTIGEN C).	H725 N737	S732
CADVPLL T PSSKE	ETS1_HUMAN	C-ETS-1 PROTEIN (P54) (C-ETS-1A AND C-ETS-1B).	C31 E43	T38 / MAPK, HGF/SF
THIGPR T TRAQGI	KGPA_HUMAN	CGMP-DEPENDENT PROTEIN KINASE 1, ALPHA ISOZYME (EC 2.7.1.37) (CGK 1 ALPHA) (CGKI-ALPHA).	T51 I63	T58 / PKC

GTPTRKISASEFD	CN5A_HUMAN	CGMP-SPECIFIC 3',5'-CYCLIC PHOSPHODIESTERASE (EC 3.1.4.17) (CGB-PDE) (CGMP-BINDING CGMP-SPECIFIC PHOSPHODIESTERASE).	G95 D107	S102 /cGMP dependent protein kinase
YRDVRFESIRLPG	B091-A	CHORIOGONATROPIN BETA CHAIN	Y79 G91	S86 / PKA
QCALCRRSTTDCG	B091-B	CHORIOGONATROPIN BETA CHAIN	Q109 G121	S116 / PKA; T117 / PKA
QRRSARLSAKPAP	B070-A	CHROMOSOMAL HIGH MOBILITY GROUP PROTEIN 17 (HMG-17)	Q21 P33	S28 / PKG
SQITSQVTGQIGW	AP50_HUMAN	CLATHRIN COAT ASSEMBLY PROTEIN AP50 (CLATHRIN COAT ASSOCIATED PROTEIN AP50) (PLASMA MEMBRANE ADAPTOR AP-2 50 KDA PROTEIN) (HA2 50 KDA SUBUNIT) (CLATHRIN ASSEMBLY PROTEIN COMPLEX 2 MEDIUM CHAIN) (AP 2 MU 2 CHAIN) (KIAA0109).	S149 W161	T156
DFGFFSSSES GAP	CLCB_HUMAN	CLATHRIN LIGHT CHAIN B (BRAIN AND LYMPHOCYTE LCB).	D4 P16	S11 / CK2; S13 / CK2
NLNGREFSGRALR	CST2_HUMAN	CLEAVAGE STIMULATION FACTOR, 64 KDA SUBUNIT (CSTF 64 KDA SUBUNIT) (CF-1 64 KDA SUBUNIT).	N76 R88	S83 / PKC (potential)
HHVPGHESRGPPP	CST2_HUMAN	CLEAVAGE STIMULATION FACTOR, 64 KDA SUBUNIT (CSTF 64 KDA SUBUNIT) (CF-1 64 KDA SUBUNIT).	H357 P369	S364 / PKG (potential)
GAVVPQGSRQVPV	CST2_HUMAN	CLEAVAGE STIMULATION FACTOR, 64 KDA SUBUNIT (CSTF 64 KDA SUBUNIT) (CF-1 64 KDA SUBUNIT).	G491 V503	S498 / PKG (potential)
SCKDDINSYECWC	FA9_HUMAN	COAGULATION FACTOR IX (EC 3.4.21.22) (CHRISTMAS FACTOR).	S107 C119	S114
DMKVRKSSSTPEEV	COF1_HUMAN	COFILIN, NON-MUSCLE ISOFORM.	D17 V29	S24
LKGKRGDSGSPAT	CA34_HUMAN	COLLAGEN ALPHA 3(IV) CHAIN .	L1428 T1440	S1435; S1437
TEASGYISSLEYP	C1R_HUMAN	COMPLEMENT C1R COMPONENT (EC 3.4.21.41).	T199 P211	S206 / CK2
VSQREAEYEPETV	A008-B	CORTACTIN, Src SUBSTRATE P80/85 PROTEINS	V470 V482	Y477 /v-Src
YQAEENTYDEYEN	A008-D	CORTACTIN, Src SUBSTRATE P80/85 PROTEINS	Y492 N504	Y499 / v-Src
EYEPETVYEVAGA	A008-C	CORTACTIN, SRC SUBSTRATE P80/85 PROTEINS	E476 A488	Y477 /v-Src; Y483 / v-Src;
KTPSSPVYQDAVS	A008-A	CORTACTIN, SRC SUBSTRATE P80/85 PROTEINS	K423 S435	Y430 / v-Src
KMQLRRPSDQEVS	REL_HUMAN	C-REL PROTO-ONCOGENE PROTEIN (C-REL PROTEIN).	K260 S272	S267 / PKA
SVIVADQTPTPTR	ATF2_HUMAN	CYCLIC-AMP-DEPENDENT TRANSCRIPTION FACTOR ATF-2 (ACTIVATING TRANSCRIPTION FACTOR 2) (CAMP RESPONSE ELEMENT BINDING PROTEIN CRE- BP1) (HB16).	S44 R56	T51 / MAPK14; T53 / MAPK14
YEDDDYVSKKSKH	CYCH_HUMAN	CYCLIN H (MO15-ASSOCIATED PROTEIN) (P37) (P34).	Y297 H309	S304 / CDK8
VPWEDRMSLVNSR	B311-C	CYSTATIN S (SALIVARY ACIDIC PROTEIN-1)	V125 R137	S132; S136
AGALASSSKEENR	B311-A	CYSTATIN S (SALIVARY ACIDIC PROTEIN-1)	A16 R28	S21; S23

DRMSLVNSRCQEA	B311-D	CYSTATIN S (SALIVARY ACIDIC PROTEIN-1)	D129 A141	S132; S136
LQKKQLCSFEIYE	B311-B	CYSTATIN S (SALIVARY ACIDIC PROTEIN-1)	L112 E124	S119
EAILPRISVISTG	CFTR_HUMAN	CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR (CFTR) (CAMP- DEPENDENT CHLORIDE CHANNEL).	E746 G758	S753 / PKA
WTETKKQSFKQTG	CFTR_HUMAN	CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR (CFTR) (CAMP- DEPENDENT CHLORIDE CHANNEL).	W679 G691	S686 / PKC
IHRKTTASTRKVS	CFTR_HUMAN	CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR (CFTR) (CAMP- DEPENDENT CHLORIDE CHANNEL).	I783 S795	S790 / PKC; S795 / PKA, PKG
TASTRKVSLAPQA	CFTR_HUMAN	CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR (CFTR) (CAMP- DEPENDENT CHLORIDE CHANNEL).	T788 A800	S790 / PKC; S795 / PKA, PKG
INSIRKFSIVQKT	CFTR_HUMAN	CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR (CFTR) (CAMP- DEPENDENT CHLORIDE CHANNEL).	I705 T717	S712 / PKA
LQARRRQSVLNLML	CFTR_HUMAN	CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR (CFTR) (CAMP- DEPENDENT CHLORIDE CHANNEL).	L761 M773	S768 / PKA; PKG
FGEKRKNSILNPI	CFTR_HUMAN	CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR (CFTR) (CAMP- DEPENDENT CHLORIDE CHANNEL).	F693 I705	S700 / PKA, PKG
EPLERRLSLVPDS	CFTR_HUMAN	CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR (CFTR) (CAMP- DEPENDENT CHLORIDE CHANNEL).	E730 S742	S737 / PKA; PKG
WKVLRRFSVTTMR	CPB6_HUMAN	CYTOCHROME P450 2B6 (EC 1.14.14.1) (CYPIIB6) (P450 IIB1).	W121 R133	S128 / PKA
LNTSYPLSPLSDF	PA2Y_HUMAN	CYTOSOLIC PHOSPHOLIPASE A2 (CPLA2) [INCLUDES: PHOSPHOLIPASE A2 (EC 3.1.1.4) (CPLA2) (PHOSPHATIDYLCHOLINE 2-ACYLHYDROLASE); LYSOPHOSPHOLIPASE (EC 3.1.1.5)].	L498 F510	S505 / MAPK
SEETPAISPSKRA	B314-A	DEOXYURIDINE 5'-TRIPHOSPHATE NUCLEOTIDOHYDROLASE (EC 3.6.1.23)	S4 A16	S11
YNYEGRGSVAGSV	DSC2_HUMAN	DESMOCOLLIN 2A/2B (DESMOSOMAL GLYCOPROTEIN II AND III) (DESMOCOLLIN-3).	Y857 V869	S864
RSGSRRGSFDTG	DESP_HUMAN	DESMOPLAKIN I AND II (DPI AND DPII) (FRAGMENT).	R2842 G2854	S2849 / PKA

VCDCKRNSDVMDC	CIC2_HUMAN	DIHYDROPYRIDINE-SENSITIVE L-TYPE, CALCIUM CHANNEL ALPHA-2/DELTA SUBUNITS .	V826 C838	S833 / PKA
LEDIKRLTPRFTL	CIC2_HUMAN	DIHYDROPYRIDINE-SENSITIVE L-TYPE, CALCIUM CHANNEL ALPHA-2/DELTA SUBUNITS .	L494 L506	T501 / PKA
DDSISSLDVTDI	Q9UP94	DNA REPAIR PROTEIN XRCC4 (X-RAY REPAIR COMPLEMENTING DEFECTIVE REPAIR IN CHINESE HAMSTER CELLS 4)	D254 I266	DNA-PK
RPNPCAYTPPSLK	IPPD_HUMAN	DOPAMINE- AND CAMP-REGULATED NEURONAL PHOSPHOPROTEIN (DARPP-32).	R68 K80	T75 / Cdk5
LLADLTRSLSDNI	DCX_HUMAN	DOUBLECORTIN (LISSENCEPHALIN-X) (LIS-X) (DOUBLIN).	L125 I137	S132 / CK2
STPKSKQSPISTP	DCX_HUMAN	DOUBLECORTIN (LISSENCEPHALIN-X) (LIS-X) (DOUBLIN).	S362 P374	T363 / PKC oder MAPK; S369 / MAPK; T373 / MAPK
YIYTIDGSRKIGS	DCX_HUMAN	DOUBLECORTIN (LISSENCEPHALIN-X) (LIS-X) (DOUBLIN).	Y145 S157	S152 / PKC; S157 / CK2
KDLYLPLSLDDSD	DCX_HUMAN	DOUBLECORTIN (LISSENCEPHALIN-X) (LIS-X) (DOUBLIN).	K384 D396	S391 / CK2
HFDERDKTSRNMR	DCX_HUMAN	DOUBLECORTIN (LISSENCEPHALIN-X) (LIS-X) (DOUBLIN).	H49 R61	T56 / PKC
GPMRRSKSPADSA	DCX_HUMAN	DOUBLECORTIN (LISSENCEPHALIN-X) (LIS-X) (DOUBLIN).	G341 A353	S348 / CK2
TSSSQLSTPKSKQ	DCX_HUMAN	DOUBLECORTIN (LISSENCEPHALIN-X) (LIS-X) (DOUBLIN).	T356 Q368	T363 / PKC oder MAPK
SKQSPISTPTSPG	DCX_HUMAN	DOUBLECORTIN (LISSENCEPHALIN-X) (LIS-X) (DOUBLIN).	S366 G378	S369 / MAPK; T373 / MAPK; S376 / MAPK
RYAQDDFSLDENE	DCX_HUMAN	DOUBLECORTIN (LISSENCEPHALIN-X) (LIS-X) (DOUBLIN).	R300 E312	S307 / CK2
SPISTPTSPGSLR	DCX_HUMAN	DOUBLECORTIN (LISSENCEPHALIN-X) (LIS-X) (DOUBLIN).	S369 R381	S369 / MAPK; T373 / MAPK; S376 / MAPK; S379 / PKC
STPTSPGSLRKHK	DCX_HUMAN	DOUBLECORTIN (LISSENCEPHALIN-X) (LIS-X) (DOUBLIN).	S372 K384	T373 / MAPK; S376 / MAPK; S379 / PKC
DLYLPLSLDDSDS	DCX_HUMAN	DOUBLECORTIN (LISSENCEPHALIN-X) (LIS-X) (DOUBLIN).	D385 S397	S391 / CK2; S397 / CK2
GIVYAVSSDRFRS	DCX_HUMAN	DOUBLECORTIN (LISSENCEPHALIN-X) (LIS-X) (DOUBLIN).	G109 S121	Y112 / ABL; S116 / PKC
EQQLFYISQPGSS	MR11_HUMAN	DOUBLE-STRAND BREAK REPAIR PROTEIN MRE11A (MRE11 HOMOLOG 1).	E257 S269	
SGQLIDSMANSFV	MPK1_HUMAN; MPK2_HUMAN	DUAL SPECIFICITY MITOGEN-ACTIVATED PROTEIN KINASE KINASE (EC 2.7.1.-) (MAP KINASE KINASE 1) (MAPKK 1) (ERK ACTIVATOR KINASE 1(MAPK/ERK KINASE 1) (MEK1)	S211 V223	S217 / p74raf-1; S221 /p74raf-1
IDSMANSFVGTRS	MPK1_HUMAN; MPK2_HUMAN	DUAL SPECIFICITY MITOGEN-ACTIVATED PROTEIN KINASE KINASE (EC 2.7.1.-) (MAP KINASE KINASE 1) (MAPKK 1) (ERK ACTIVATOR KINASE 1(MAPK/ERK KINASE 1) (MEK1)	I215 S227	S217 / p74raf-1; S221 /p74raf-1
LIDSMANSFVGTR	MPK1_HUMAN	DUAL SPECIFICITY MITOGEN-ACTIVATED PROTEIN KINASE KINASE 1 (EC 2.7.1.-) (MAP KINASE KINASE 1) (MAPKK 1)	L214 R226	S217 / p74raf-1; S221 /p74raf-1

		(ERK ACTIVATOR KINASE 1) (MAPK/ERK KINASE 1) (MEK1).		
VSGQLIDSMANSF	MPK2_HUMAN	DUAL SPECIFICITY MITOGEN-ACTIVATED PROTEIN KINASE KINASE 2 (EC 2.7.1.-) (MAP KINASE KINASE 2) (MAPKK 2) (ERK ACTIVATOR KINASE 2) (MAPK/ERK KINASE 2) (MEK2).	V215 F227	S222 / RAF; S226 / RAF
LVNSIAKTYVGTN	MPK5_HUMAN	DUAL SPECIFICITY MITOGEN-ACTIVATED PROTEIN KINASE KINASE 5 (EC 2.7.1.-) (MAP KINASE KINASE 5) (MAPKK 5) (MAPK/ERK KINASE 5).	L308 N320	S311 / autophosphorylation; T315 / autophosphorylation
VSTQLVNSIAKTY	MPK5_HUMAN	DUAL SPECIFICITY MITOGEN-ACTIVATED PROTEIN KINASE KINASE 5 (EC 2.7.1.-) (MAP KINASE KINASE 5) (MAPKK 5) (MAPK/ERK KINASE 5).	V304 Y316	S311 / autophosphorylation; T315 / autophosphorylation
ISGYLVDSVAKTI	MPK6_HUMAN	DUAL SPECIFICITY MITOGEN-ACTIVATED PROTEIN KINASE KINASE 6 (EC 2.7.1.-) (MAP KINASE KINASE 6) (MAPKK 6) (MAPK/ERK KINASE 6) (SAPKK3).	I200 I212	S207 / autophosphorylation?; T211 / autophosphorylation?
LVDSVAKTIDAGC	MPK6_HUMAN	DUAL SPECIFICITY MITOGEN-ACTIVATED PROTEIN KINASE KINASE 6 (EC 2.7.1.-) (MAP KINASE KINASE 6) (MAPKK 6) (MAPK/ERK KINASE 6) (SAPKK3).	L204 C216	S207 / autophosphorylation?; T211 / autophosphorylation?
CQLGQRIYQYIQS	DYRA_HUMAN	DUAL-SPECIFICITY TYROSINE-PHOSPHORYLATION REGULATED KINASE 1A (EC 2.7.1.-) (PROTEIN KINASE MINIBRAIN HOMOLOG) (MNBH) (HP86) (DUAL SPECIFICITY YAK1-RELATED KINASE).	C312 S324	Y319 / autophosphorylation; Y321 / autophosphorylation
KHDTEMKYYIVHL	DYRA_HUMAN	DUAL-SPECIFICITY TYROSINE-PHOSPHORYLATION REGULATED KINASE 1A (EC 2.7.1.-) (PROTEIN KINASE MINIBRAIN HOMOLOG) (MNBH) (HP86) (DUAL SPECIFICITY YAK1-RELATED KINASE).	K212 L224	Y219 / autophosphorylation
CYEQLNDSSEED	B228-A	E7 PROTEIN	C24 D36	S31 / CK2; S32 / CK2
TFPPAPGSPEPPH	B257-A	EARLY E1A 32 KD PROTEIN	T82 H94	S89 /
AILRRPTSPVSRE	B257-B	EARLY E1A 32 KD PROTEIN	A212 E224	S219
ECNSSTDSCDSGP	B257-C	EARLY E1A 32 KD PROTEIN	E224 P236	S231
MNMLMERYRVESD	DNB2_ADE04	EARLY E2A DNA-BINDING PROTEIN.	M167 D179	Y174
AVRDMRQTVAVGV	B163-A	ELONGATION FACTOR 1-ALPHA 1 (EF-1-ALPHA-1)	A425 V437	T432 / PKC delta
DDIDLFGSDDEEE	EF1B_HUMAN	ELONGATION FACTOR 1-BETA (EF-1-BETA).	D98 E110	S105 / CK2
ASARAGETRFTDT	B219-A	ELONGATION FACTOR 2 (EF-2)	A46 T58	T56 / CaM-III; T58 / CaM-III
RAGETRFTDTRKD	EF2_HUMAN	ELONGATION FACTOR 2 (EF-2).	R49 D61	T56 / CaM-III; T58 / CaM-III
GGTDEGIYDVPLL	EFS_HUMAN	EMBRYONAL FYN-ASSOCIATED SUBSTRATE (HEFS).	G246 L258	Y253 / src
ESIRMKRYILHFH	EPA1_HUMAN	EPHRIN TYPE-A RECEPTOR 1 (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR EPH).	E923 H935	Y930 / autophosphorylation

LDDFDGTYETQGG	EPA1_HUMAN	EPHRIN TYPE-A RECEPTOR 1 (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR EPH).	L774 G786	Y781 / autophosphorylation
ESIKMQQYTEHFM	EPA2_HUMAN	EPHRIN TYPE-A RECEPTOR 2 (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR ECK) (EPITHELIAL CELL KINASE).	E914 M926	Y921 / autophosphorylation
EDDPEATYTTSGG	EPA2_HUMAN	EPHRIN TYPE-A RECEPTOR 2 (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR ECK) (EPITHELIAL CELL KINASE).	E765 G777	Y772 / autophosphorylation
QLKPLKTYVDPHT	EPA2_HUMAN	EPHRIN TYPE-A RECEPTOR 2 (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR ECK) (EPITHELIAL CELL KINASE).	Q581 T593	Y588 / autophosphorylation
KLPGLRTYVDPHT	EPA3_HUMAN	EPHRIN TYPE-A RECEPTOR 3 (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR ETK1) (HEK) (HEK4).	K589 T601	Y596 / autophosphorylation
LNQGVRTYVDPFT	EPA4_HUMAN	EPHRIN TYPE-A RECEPTOR 4 (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR SEK) (RECEPTOR PROTEIN-TYROSINE KINASE HEK8).	L589 T601	Y596 / autophosphorylation
EAIKMGRYTEIFM	EPA5_HUMAN	EPHRIN TYPE-A RECEPTOR 5 (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR EHK-1) (EPH HOMOLOGY KINASE-1) (RECEPTOR PROTEIN- TYROSINE KINASE HEK7).	E975 M987	Y982 / autophosphorylation
TYIDPETYEDPNR	EPA7_HUMAN	EPHRIN TYPE-A RECEPTOR 7 (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR EHK-3) (EPH HOMOLOGY KINASE-3) (RECEPTOR PROTEIN- TYROSINE KINASE HEK11).	T607 R619	Y608 / autophosphorylation; Y614 / autophosphorylation
DDTSDPTYTSSLG	EPB1_HUMAN	EPHRIN TYPE-B RECEPTOR 1 (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR EPH-2) (NET) (HEK6) (ELK).	D771 G783	Y778 / autophosphorylation
GSPGMKIYIDPFT	EPB1_HUMAN	EPHRIN TYPE-B RECEPTOR 1 (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR EPH-2) (NET) (HEK6) (ELK).	G587 T599	Y594 / autophosphorylation
SAIKMVQYRDSFL	EPB1_HUMAN	EPHRIN TYPE-B RECEPTOR 1 (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR EPH-2) (NET) (HEK6) (ELK).	S921 L933	Y928 / autophosphorylation
AIKMVQYRDSFLT	EPB1_HUMAN	EPHRIN TYPE-B RECEPTOR 1 (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR EPH-2) (NET) (HEK6) (ELK).	S922 L934	Y928 / autophosphorylation
DAIKMGRYKESFV	EPB3_HUMAN	EPHRIN TYPE-B RECEPTOR 3 (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR HEK-2).	D935 V947	Y942 / autophosphorylation
IGHGTKVYIDPFT	EPB4_HUMAN	EPHRIN TYPE-B RECEPTOR 4 (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE RECEPTOR HTK).	I583 T595	Y590 / autophosphorylation
ISLDNPDYQQDFE	EGFR_HUMAN	EPIDERMAL GROWTH FACTOR RECEPTOR (EC 2.7.1.112).	I1165 F1177	Y1172 / autophosphorylation
TFLPVPEYINQSV	EGFR_HUMAN	EPIDERMAL GROWTH FACTOR RECEPTOR (EC 2.7.1.112).	T1085 V1097	Y1092 / autophosphorylation

GSVQNPVYHNQPL	EGFR_HUMAN	EPIDERMAL GROWTH FACTOR RECEPTOR (EC 2.7.1.112).	G1103 L1115	Y1110 / autophosphorylation
RHIVRKRTLRRLL	EGFR_HUMAN	EPIDERMAL GROWTH FACTOR RECEPTOR (EC 2.7.1.112).	R671 L683	T678 / PKC
LVEPLTPSGEAPN	B046-A	EPIDERMAL GROWTH FACTOR RECEPTOR (EGFR)	L688 N700	T693 / ERK1, ERK2
RELVEPLTPSGEA	B046-E	EPIDERMAL GROWTH FACTOR RECEPTOR (EGFR)	R686 A698	T693 / ERK1, ERK2
DSFLQRYSSDPTG	B046-B	EPIDERMAL GROWTH FACTOR RECEPTOR (EGFR)	D1063 G1075	S1070 / CAM kinase I1; S1071 / CAM kinase I1
STAENAEYLRVAP	B046-J	EPIDERMAL GROWTH FACTOR RECEPTOR (EGFR)	S1190 P1202	Y1197 / autophosphorylation
FGMSRNLVYAGDYY	DDR1_HUMAN	EPITHELIAL DISCOIDIN DOMAIN RECEPTOR 1 (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE CAK) (CELL ADHESION KINASE) (TYROSINE KINASE DDR) (DISCOIDIN RECEPTOR TYROSINE KINASE) (TRK E) (PROTEIN-TYROSINE KINASE RTK 6).	F785 Y797	Y792 / autophosphorylation; Y796 / autophosphorylation; Y797 / autophosphorylation
LLLSNPAYRLLLA	DDR1_HUMAN	EPITHELIAL DISCOIDIN DOMAIN RECEPTOR 1 (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE CAK) (CELL ADHESION KINASE) (TYROSINE KINASE DDR) (DISCOIDIN RECEPTOR TYROSINE KINASE) (TRK E) (PROTEIN-TYROSINE KINASE RTK 6).	L506 A518	Y513 / autophosphorylation
QQKIRKYTMRRLL	A066-A	ErbB-2 RECEPTOR PROTEIN-TYROSINE KINASE	Q679 L691	T686
PTAENPEYLGLDV	A066-D	ERBB-2 RECEPTOR PROTEIN-TYROSINE KINASE	P1241 V1253	Y1248 / EGFR
QALDNPEYHNASN	ERB4_HUMAN	ERBB-4 RECEPTOR PROTEIN-TYROSINE KINASE (EC 2.7.1.112) (P180 ERB4) (TYROSINE KINASE-TYPE CELL SURFACE RECEPTOR HER4).	Q1181 N1193	Y1188 / autophosphorylation
IVAENPEYLSEFS	ERB4_HUMAN	ERBB-4 RECEPTOR PROTEIN-TYROSINE KINASE (EC 2.7.1.112) (P180 ERB4) (TYROSINE KINASE-TYPE CELL SURFACE RECEPTOR HER4).	I1277 S1289	Y1284 / autophosphorylation
EKRHTRDSEAQRL	STOM_HUMAN	ERYTHROCYTE BAND 7 INTEGRAL MEMBRANE PROTEIN (STOMATIN) (PROTEIN 7.2B).	E2 L14	S9 / PKA
LLNKRRGSVPILR	B087-A	ERYTHROCYTE MEMBRANE PROTEIN BAND 4.2 (P4.2) (PALLIDIN)	L240 R252	S247 / PKA
ASAASFETYILDP	A041-B	ERYTHROPOIETIN RECEPTOR (EPO-R)	A419 P431	Y426 / Jak2
SEHAQDTYLVLDK	A041-A	ERYTHROPOIETIN RECEPTOR (EPO-R)	S361 K373	Y368 / Jak2
LHPPPQLSPFLQP	ESR1_HUMAN	ESTROGEN RECEPTOR (ER) (ESTRADIOL RECEPTOR) (ER-ALPHA).	L111 P123	S118 / MAPK
GGRERLASTNDKG	ESR1_HUMAN	ESTROGEN RECEPTOR (ER) (ESTRADIOL RECEPTOR) (ER-ALPHA).	G160 G172	S167 / CDK2
ISVDGLSTPVVLS	ELK1_HUMAN	ETS-DOMAIN PROTEIN ELK-1.	I410 S422	

LSTPVVLSPGPQK	ELK1_HUMAN	ETS-DOMAIN PROTEIN ELK-1.	L415 K427	
QAPGPALTPSLLP	ELK1_HUMAN	ETS-DOMAIN PROTEIN ELK-1.	Q346 P358	
IHFWSTLSPIAPR	ELK1_HUMAN	ETS-DOMAIN PROTEIN ELK-1.	I376 R388	S383 / p46SAPK, p54SAPK
LLPTHTLTPVLLT	ELK1_HUMAN	ETS-DOMAIN PROTEIN ELK-1.	L356 T368	
GGPGPERTPGSGS	ELK1_HUMAN	ETS-DOMAIN PROTEIN ELK-1.	G329 S341	
TLTPVLLTPSSLP	ELK1_HUMAN	ETS-DOMAIN PROTEIN ELK-1.	T361 P373	
RDLELPLSPSLLG	ELK1_HUMAN	ETS-DOMAIN PROTEIN ELK-1.	R317 G329	
GEAGGPLTPRRVS	ERF_HUMAN	ETS-DOMAIN TRANSCRIPTION FACTOR ERF.	G519 S531	T526 / MAPK1
MILLSSELSRRRIR	IF2A_HUMAN	EUKARYOTIC TRANSLATION INITIATION FACTOR 2 ALPHA SUBUNIT (EIF-2- ALPHA).	M44 R56	S48 / HRI, HCR; S51 / EIF2AK3, GCN2, HRI, PKR, HCR, ds-RNA kinase
DTATKSGSTTKNR	IF4E_HUMAN	EUKARYOTIC TRANSLATION INITIATION FACTOR 4E (EIF-4E) (EIF4E) (MRNA CAP-BINDING PROTEIN) (EIF-4F 25 KDA SUBUNIT).	D202 R214	S209 / PKC, Mnk1
KEVHKSGYLSSER	EZRI_HUMAN	EZRIN (P81) (CYTOVILLIN) (VILLIN-2).	K138 R150	Y145 / PDGFR
LMLRLQDYEEKTK	EZRI_HUMAN	EZRIN (P81) (CYTOVILLIN) (VILLIN-2).	L346 K358	Y353 / PDGFR
DSKNFDDYMKSLG	FABH_HUMAN	FATTY ACID-BINDING PROTEIN, HEART (H-FABP) (MUSCLE FATTY ACID-BINDING PROTEIN) (M-FABP) (MAMMARY-DERIVED GROWTH INHIBITOR) (MDGI).	D12 G24	Y19 / TYR-kinases
STTTTRRSCKSTV	B066-B	FIBRINOGEN	S453 V465	S460 / PKA, CK1
EFPSRGKSSSYSK	B066-C	FIBRINOGEN	E569 K581	S576 / PKC, CK1; S577 / PKC, CK1; S578 / PKC, CK1
TLTTNEEYLDLSQ	A063-A	FIBROBLAST GROWTH FACTOR RECEPTOR 2 (FGFR-2)	T762 Q774	Y769
TVTSTDEYLDLSA	A062-A	FIBROBLAST GROWTH FACTOR RECEPTOR 3 (FGFR-3)	T753 A765	Y760 / autophosphorylation
DVHNLDDYKKTNN	FGR3_HUMAN	FIBROBLAST GROWTH FACTOR RECEPTOR 3 (FGFR-3) (EC 2.7.1.112).	D641 N653	Y648 / autophosphorylation
LLAVSEEYLDLRL	A061-A	FIBROBLAST GROWTH FACTOR RECEPTOR 4 (FGFR-4)	L747 L759	Y754 / autophosphorylation
GVHHIDYKKTNN	FGR4_HUMAN	FIBROBLAST GROWTH FACTOR RECEPTOR 4 (FGFR-4) (EC 2.7.1.112).	G636 N648	Y643 / autophosphorylation
RYMEDSTYKASK	FAK1_HUMAN	FOCAL ADHESION KINASE 1 (EC 2.7.1.112) (FADK 1) (PP125FAK) (PROTEIN-TYROSINE KINASE 2).	R569 K581	Y576 / Src; Y577 / Src
RYIEDEDYKASV	FAK2_HUMAN	FOCAL ADHESION KINASE 2 (EC 2.7.1.112) (FADK 2) (PROLINE-RICH TYROSINE KINASE 2) (CELL ADHESION KINASE BETA) (CAK BETA).	R572 V584	Y579 / autophosphorylation; Y580 / autophosphorylation

TFRPRTSSNASTI	FXO1_HUMAN	FORKHEAD PROTEIN O1A (FORKHEAD IN RHABDOMYOSARCOMA).	T312 I324	S319 / PKB; S322 / PKB
QSRPRSC T WPLQR	FXO3_HUMAN	FORKHEAD PROTEIN O3A (FORKHEAD IN RHABDOMYOSARCOMA-LIKE 1) (AF6Q21 PROTEIN).	Q25 R37	T32 / SGK1
LDIEQF S TVKGVN	GRK5_HUMAN	G PROTEIN-COUPLED RECEPTOR KINASE GRK5 (EC 2.7.1.-).	L478 N490	S484 / autophosphorylation; T485 / autophosphorylation
VLDIEQF S TVKGV	GRK6_HUMAN	G PROTEIN-COUPLED RECEPTOR KINASE GRK6 (EC 2.7.1.-).	V477 V489	S484 / autophosphorylation; T485 / autophosphorylation
PLPSGLL T PPQSG	CGE1_HUMAN	G1/S-SPECIFIC CYCLIN E1.	P388 G400	T395 / CDK2
VCNGGIM T PPKST	CGE2_HUMAN	G1/S-SPECIFIC CYCLIN E2.	V385 T397	T392
F S LHDAL S SGSNP	LEG3_HUMAN	GALECTIN-3 (GALACTOSE-SPECIFIC LECTIN 3) (MAC-2 ANTIGEN) (IGE-BINDING PROTEIN) (35 KDA LECTIN) (CARBOHYDRATE BINDING PROTEIN 35) (CBP 35) (LAMININ-BINDING PROTEIN) (LECTIN L-29) (L-31) (GALACTOSIDE BINDING PROTEIN) (GALBP).	F4 P16	S5 / CK1; S11/CK1
SRLRRRAS Q LKIT	B164-A	GAMMA-AMINOBUTYRIC-ACID RECEPTOR BETA-2 SUBUNIT	S427 T439	S434 / PKC
FVSNRK P SKDKDK	B166-A	GAMMA-AMINOBUTYRIC-ACID RECEPTOR GAMMA-2S SUBUNIT	F359 K371	S366 / PKC
ITSTL A SSFKRRR	NMZ1_HUMAN	GLUTAMATE [NMDA] RECEPTOR SUBUNIT ZETA 1 (NR1).	I883 R895	S889 / PKC; S890 / PKC
AITSTL A SSFKRR	NMZ1_HUMAN	GLUTAMATE [NMDA] RECEPTOR SUBUNIT ZETA 1 (NR1).	A882 R894	S889 / PKC; S890 / PKC
TMTFF K KSKISTY	B170-A	GLUTAMATE RECEPTOR 6 (GLUR-6) (GLUTAMATE RECEPTOR,	T690 Y702	S697 / PKA (minor site)
FMSSRR Q SVLVKS	B170-B	GLUTAMATE RECEPTOR 6 (GLUR-6) (GLUTAMATE RECEPTOR,	F708 S720	S715 / PKA (major site)
EKMWAF M SSRQQT	GLK1_HUMAN	GLUTAMATE RECEPTOR, IONOTROPIC KAINATE 1 (GLUTAMATE RECEPTOR 5) (GLUR-5) (EXCITATORY AMINO ACID RECEPTOR 3) (EAA3).	E718 T730	S725 / PKC
STSIEY V TQRNCN	GLK1_HUMAN	GLUTAMATE RECEPTOR, IONOTROPIC KAINATE 1 (GLUTAMATE RECEPTOR 5) (GLUR-5) (EXCITATORY AMINO ACID RECEPTOR 3) (EAA3).	S754 N766	T761 / PKC
EREGSKR Y CIQTK	AMPE_HUMAN	GLUTAMYL AMINOPEPTIDASE (EC 3.4.11.7) (EAP) (AMINOPEPTIDASE A) (APA) (DIFFERENTIATION ANTIGEN GP160).	E5 K17	Y12
MLRGRSL S VTSLG	GYS2_HUMAN	GLYCOGEN [STARCH] SYNTHASE, LIVER (EC 2.4.1.11).	M1 G13	S8 / PKA; S11
FKYPRP S SVPPSP	GYS2_HUMAN	GLYCOGEN [STARCH] SYNTHASE, LIVER (EC 2.4.1.11).	F634 P646	S641; S645

QASSPQSSDVEDE	GYS2_HUMAN	GLYCOGEN [STARCH] SYNTHASE, LIVER (EC 2.4.1.11).	Q650 E662	S653; S657
PSGSQASSPQSSD	GYS2_HUMAN	GLYCOGEN [STARCH] SYNTHASE, LIVER (EC 2.4.1.11).	P646 D658	S649; S653; S657
PSLSRHSPPHQSE	GYS1_HUMAN	GLYCOGEN [STARCH] SYNTHASE, MUSCLE (EC 2.4.1.11).	P646 E658	S647 / CK1; S649 / GSK-3; S652 / CK1 S653 / CK1; S657
NRTLMSSSLPGLE	GYS1_HUMAN	GLYCOGEN [STARCH] SYNTHASE, MUSCLE (EC 2.4.1.11).	N4 E16	S8 / PKA; S10 / CK1; S11
RPASVPPSPSLSR	GYS1_HUMAN	GLYCOGEN [STARCH] SYNTHASE, MUSCLE (EC 2.4.1.11).	R638 R650	S641 / GSK-3; S645 / GSK-3; S647 / CK1; S649 / GSK-3
TSGSKRNSVDTAT	GYS1_HUMAN	GLYCOGEN [STARCH] SYNTHASE, MUSCLE (EC 2.4.1.11).	T703 T715	S710 / PKA, CK1; T713 / CK1
MPLNRTLMSSSLP	GYS1_HUMAN	GLYCOGEN [STARCH] SYNTHASE, MUSCLE (EC 2.4.1.11).	M1 P13	S8 / PKA; S10 / CK1; S11
SEKRKQISVRGLA	PHS3_HUMAN	GLYCOGEN PHOSPHORYLASE, BRAIN FORM (EC 2.4.1.1).	S8 A20	S15 / PHK (in Phosphorylase A)
QEKRRQISIRGIV	PHS1_HUMAN	GLYCOGEN PHOSPHORYLASE, LIVER FORM (EC 2.4.1.1).	Q8 V20	S15 / PHK (in Phosphorylase A)
SGRPRTTSFAESC	KG3B_HUMAN	GLYCOGEN SYNTHASE KINASE-3 BETA (EC 2.7.1.37) (GSK-3 BETA).	S2 C14	S9 PKA / PKB
RGEPNVSYICSR	KG3B_HUMAN	GLYCOGEN SYNTHASE KINASE-3 BETA (EC 2.7.1.37) (GSK-3 BETA).	R209 Y221	Y216
KKPRRKDTPALHI	GSUB_HUMAN	G-SUBSTRATE.	K61 I73	T68 / PKA, PKB
FERASEYQLNSA	GBT1_HUMAN	GUANINE NUCLEOTIDE-BINDING PROTEIN G(T), ALPHA-1 SUBUNIT (TRANSDUCIALPHA-1 CHAIN)	F135 A147	Y141 / Src
PAYSRALSRLSS	B118-B	HEAT SHOCK 27 KD PROTEIN (HSP 27)	P71 S83	S78 / MAPKAPK2; S82 / MAPKAPK2, PKC, PKA
FSLLRGPSWDPFR	HS27_HUMAN	HEAT SHOCK 27 KDA PROTEIN (HSP 27) (STRESS-RESPONSIVE PROTEIN 27) (SRP27) (ESTROGEN-REGULATED 24 KDA PROTEIN) (28 KDA HEAT SHOCK PROTEIN).	F8 R20	S15 / MAPKAPK2, PKC, PKA
RALSRLSSGVSE	HS27_HUMAN	HEAT SHOCK 27 KDA PROTEIN (HSP 27) (STRESS-RESPONSIVE PROTEIN 27) (SRP27) (ESTROGEN-REGULATED 24 KDA PROTEIN) (28 KDA HEAT SHOCK PROTEIN).	R75 E87	S78 / MAPKAPK2; S82 / MAPKAPK2, PKC, PKA
PKIEDVGSDEEDD	HS9B_HUMAN	HEAT SHOCK PROTEIN HSP 90-BETA (HSP 84) (HSP 90).	P247 D259	S254 / CK2
KEREKEISDDEAE	HS9B_HUMAN	HEAT SHOCK PROTEIN HSP 90-BETA (HSP 84) (HSP 90).	K218 E230	S225 / CK2
PHLDRLVSARSVS	A009-A	HEPATOCYTE GROWTH FACTOR RECEPTOR (HGF-SF	P978 S990	S985 / PKC

		RECEPTOR)		
RDMYDKEYYSVHN	A009-B	HEPATOCTE GROWTH FACTOR RECEPTOR (HGF-SF RECEPTOR)	R1227 N1239	Y1230 / autophosphorylation; Y1234 / autophosphorylation; Y1235 / autophosphorylation
YVHVNATYVNVKC	A009-D	HEPATOCTE GROWTH FACTOR RECEPTOR (HGF-SF RECEPTOR)	Y1349 C1361	Y1349 / autophosphorylation; Y1356 / autophosphorylation
DMYDKEYYSVHNK	MET_HUMAN	HEPATOCTE GROWTH FACTOR RECEPTOR (MET PROTO-ONCOGENE TYROSINE KINASE) (EC 2.7.1.112) (HGF-SF RECEPTOR).	D1228 K1240	Y1230 / autophosphorylation; Y1234 / autophosphorylation; Y1235 / autophosphorylation
HI IENPQYFSDAC	TRKA_HUMAN	HIGH AFFINITY NERVE GROWTH FACTOR RECEPTOR (EC 2.7.1.112) (TRK1 TRANSFORMING TYROSINE KINASE PROTEIN) (P140-TRKA) (TRK-A).	H489 C501	Y496 / autophosphorylation
KEEEEGISQESSE	HMGI_HUMAN	HIGH MOBILITY GROUP PROTEIN HMG-Y.	K91 E103	S98 / CK2; S101 / CK2; S102 / CK2
FESERRGSHPYID	CN7A_HUMAN	HIGH-AFFINITY CAMP-SPECIFIC 3',5'-CYCLIC PHOSPHODIESTERASE (EC 3.1.4.17) (HCP1) (TM22).	F77 D89	S84
ISMISADSEKRRH	HIS1_HUMAN	HISTATIN 1 (HISTIDINE-RICH PROTEIN 1) (POST-PB PROTEIN) (PPB) [CONTAINS: HISTATIN 2].	I14 H26	S21
AKAKTRSSRAGLQ	B025-B	HISTONE H2A.1	A12 Q24	S19 / PKA
RKRSRKEYSVYV	B014-C	HISTONE H2B	R29 V41	S32/ PKA, PKG, PKC, histone kinase; S36 / PKA, PKC, PKG
DGKKRKRSRKESY	B014-B	HISTONE H2B	D25 Y37	S32/ PKA, PKG, PKC, histone kinase; S36 / PKA, PKC, PKG
APAPKKGSKKAVT	B014-A	HISTONE H2B	A7 T19	S14 / PKA (Mst1 kinase)
RGGVKRISGLIYE	B059-B	HISTONE H4	R40 E52	S47 / H4 PK1
SDRKGGSYSQAAS	B259-A	HLA CLASS I HISTOCOMPATIBILITY ANTIGEN, A-2 ALPHA CHAIN	S337 S349	Y344 /
IAEPMRRSVSEAA	LIPS_HUMAN	HORMONE SENSITIVE LIPASE (EC 3.1.1.-) (HSL).	I545 A557	S552 / PKA; S554 / AMPK
YASSNPEYLSASD	A040-E	INSULIN RECEPTOR	Y992 D1004	Y992 / autophosphorylation; Y999 / autophosphorylation
SYEEHIPYTHMNG	B141-I	INSULIN RECEPTOR (IR)	S1354 G1366	S1354 / INSR (autophosphorylation);

				Y1355 / INSR (autophosphorylation); Y1361 / INSR (autophosphorylation)
SSLGFKR S YEEHI	B141-C	INSULIN RECEPTOR (IR)	S1347 I1359	S1354 / INSR (autophosphorylation); Y1355 / INSR (autophosphorylation)
KKNGRIL T LPRSN	B141-D	INSULIN RECEPTOR (IR)	K1368 N1380	S1375 / PKC
ENVPLDR S SHCQR	B141-A	INSULIN RECEPTOR (IR)	E1325 R1337	S1332 / insulin-sensitive serine kinase (IRSK); S1333 / insulin-sensitive serine kinase (IRSK)
SLGFKR S YEEHIP	B141-H	INSULIN RECEPTOR (IR)	S1348 P1360	S1354 / INSR (autophosphorylation); Y1355 / INSR (autophosphorylation)
EETGTEE Y MKMDL	IRS1_HUMAN	INSULIN RECEPTOR SUBSTRATE-1 (IRS-1).	E934 L946	Y941 / INSR
GRKGS G D Y MPMSP	IRS1_HUMAN	INSULIN RECEPTOR SUBSTRATE-1 (IRS-1).	G625 P637	Y632 INSR
GEEELSN Y ICMGG	IRS1_HUMAN	INSULIN RECEPTOR SUBSTRATE-1 (IRS-1).	G458 G470	Y465 / INSR
VPSSRGD Y MTMQM	IRS1_HUMAN	INSULIN RECEPTOR SUBSTRATE-1 (IRS-1).	V982 M994	Y989 / INSR
GSCRSD D YMPMSP	IRS2_HUMAN	INSULIN RECEPTOR SUBSTRATE-2 (IRS-2).	G668 P680	Y675 / INSR
EPKSPGE Y INIDF	IRS2_HUMAN	INSULIN RECEPTOR SUBSTRATE-2 (IRS-2).	E912 F924	Y919 / INSR
GGGGGE F YGYMTM	IRS2_HUMAN	INSULIN RECEPTOR SUBSTRATE-2 (IRS-2).	G533 M545	Y540 / INSR
RSPLSD Y MNLDFS	IRS2_HUMAN	INSULIN RECEPTOR SUBSTRATE-2 (IRS-2).	R972 S984	Y978 / INSR
LAKAQET S GEEIS	IBP1_HUMAN	INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 1 (IGFBP-1) (IBP-1) (IGF-BINDING PROTEIN 1) (PLACENTAL PROTEIN 12) (PP12).	L187 S199	S194
GSPE S PE S TEITE	IBP1_HUMAN	INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 1 (IGFBP-1) (IBP-1) (IGF-BINDING PROTEIN 1) (PLACENTAL PROTEIN 12) (PP12).	G119 E131	S126
NFHL M AP S EEDHS	IBP1_HUMAN	INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 1 (IGFBP-1) (IBP-1) (IGF-BINDING PROTEIN 1) (PLACENTAL PROTEIN 12) (PP12).	N137 S149	S144
FHL M AP S EEDHSI	IBP1_HUMAN	INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 1 (IGFBP-1) (IBP-1) (IGF-BINDING PROTEIN 1) (PLACENTAL	F138 I150	S144

		PROTEIN 12) (PP12).		
KQDSNPLYKSAIT	ITB7_HUMAN	INTEGRIN BETA-7 .	K771 T783	Y778 / TYR-kinases; T783 / PK
PSSSIDEYFSEQP	INR1_HUMAN	INTERFERON-ALPHA/BETA RECEPTOR ALPHA CHAIN (IFN-ALPHA-REC).	P474 P486	Y481 / p135TYK2
VFLRCINYVFFPS	INR1_HUMAN	INTERFERON-ALPHA/BETA RECEPTOR ALPHA CHAIN (IFN-ALPHA-REC).	V459 S471	Y466 / p135TYK2
SLPDHKKTLEHLC	IL7R_HUMAN	INTERLEUKIN-7 RECEPTOR ALPHA CHAIN (IL-7R-ALPHA) (CDW127) (CD127 ANTIGEN).	S275 C287	T282 / PKC
GAGFGSRSLYGLG	K2CF_HUMAN	KERATIN, TYPE II CYTOSKELETAL 6F (CYTOKERATIN 6F) (CK 6F) (K6F KERATIN).	G52 G64	S59
SPVFTSRSAAFSG	K2C7_HUMAN	KERATIN, TYPE II CYTOSKELETAL 7 (CYTOKERATIN 7) (K7) (CK 7).	S6 G18	S13
PRAFSSRSYTS GP	K2C8_HUMAN	KERATIN, TYPE II CYTOSKELETAL 8 (CYTOKERATIN 8) (K8) (CK 8).	P16 P28	S23
SAYGGLTSPGLSY	K2C8_HUMAN	KERATIN, TYPE II CYTOSKELETAL 8 (CYTOKERATIN 8) (K8) (CK 8).	S424 Y436	S431 / MAPK, CAMK2
LDIPTGTTPQRKS	EG5_HUMAN	KINESIN-RELATED MOTOR PROTEIN EG5 (KINESIN-LIKE SPINDLE PROTEIN HKSP) (THYROID RECEPTOR INTERACTING PROTEIN 5) (TRIP5).	L920 S932	T927 / p34cdc2
SGAQASSTPLSPT	B176-H	LAMIN A (70 KD LAMIN)	S12 T24	T 19 /cdc2; S22 / cdc2
DAENRLQTMKEEL	B176-I	LAMIN A (70 KD LAMIN)	D192 L204	T199 / PKC
NGDDPLLTYRFPP	B176-K	LAMIN A (70 KD LAMIN)	N473 P485	T480 / PKC
QASSTPLSPTRIT	B176-B	LAMIN A (70 KD LAMIN)	Q15 T27	T19 / cdc2; S22 / cdc2
NTWGCNLSLRTAL	B176-F	LAMIN A (70 KD LAMIN)	N518 L530	S525 / PKC
TQGGGSVTKKRKL	B176-J	LAMIN A (70 KD LAMIN)	T409 L421	T416 / PKC
QRSRGRASSHSSQ	B176-D	LAMIN A (70 KD LAMIN)	Q396 Q408	S403 / PKC; S404 / PKC
SSVTVTRSYSR SVG	B176-G	LAMIN A (70 KD LAMIN)	S618 G630	S625 / PKC
ERLRLSPSPTSQR	B176-C	LAMIN A (70 KD LAMIN)	E385 R397	S392 / cdc2
TVSRASSRSVRT	B008-D	LAMIN B1	T398 T410	S404 / beta II PKC
ERLKLSPSPSSRV	B008-B	LAMIN B1	E385 V397	S392 / cdc2 kinase; S394 / beta II PKC
GGPTTPLSPTRLS	B008-A	LAMIN B1	G15 S27	S22 / cdc2 kinase
KLSPSPSSRVTVS	B008-C	LAMIN B1	K388 S400	S392 / cdc2 kinase; S394 / beta II PKC

KSISERLSVLKGA	MIP_HUMAN	LENS FIBER MAJOR INTRINSIC PROTEIN (MIP26) (MP26) (AQUAPORIN 0).	K228 A240	S229 / cAMP-dependent protein kinase; S231 / cAMP-dependent protein kinase; S235
KGAKPDVSNQPE	MIP_HUMAN	LENS FIBER MAJOR INTRINSIC PROTEIN (MIP26) (MP26) (AQUAPORIN 0).	K238 E250	
RDIYRASYYRRGD	KLTK_HUMAN	LEUKOCYTE TYROSINE KINASE RECEPTOR (EC 2.7.1.112).	R669 D681	
GKKTKFASDDEHD	LA_HUMAN	LUPUS LA PROTEIN (SJOEGREN SYNDROME TYPE B ANTIGEN (SS-B)) (LA RIBONUCLEOPROTEIN) (LA AUTOANTIGEN).	G359 D371	T362; S366 / CK2
SSQGVDTYVEMRP	A072-C	MACROPHAGE COLONY STIMULATING FACTOR 1 RECEPTOR	S716 P728	Y723
NIHLEKKYVRRDS	KFMS_HUMAN	MACROPHAGE COLONY STIMULATING FACTOR I RECEPTOR (CSF-1-R) (EC 2.7.1.112) (FMS PROTO-ONCOGENE) (C-FMS) (CD115).	N701 S713	Y708
YVQLPATYMNLGP	RON_HUMAN	MACROPHAGE-STIMULATING PROTEIN RECEPTOR (EC 2.7.1.112) (MSP RECEPTOR) (P185-RON) (CDW136) (CD136 ANTIGEN).	Y1353 P1365	Y1353 / Ron; Y1360 / Ron
SALLGDHYVQLPA	RON_HUMAN	MACROPHAGE-STIMULATING PROTEIN RECEPTOR (EC 2.7.1.112) (MSP RECEPTOR) (P185-RON) (CDW136) (CD136 ANTIGEN).	S1346 A1358	Y1353 / Ron
DSMKDEEYEQMVK	MAD3_HUMAN	MAJOR HISTOCOMPATIBILITY COMPLEX ENHANCER-BINDING PROTEIN MAD3 (NUCLEAR FACTOR KAPPA-B INHIBITOR) (I-KAPPA-B-ALPHA) (IKBA).	D35 K47	S36 / IKKA, IKKB, IKKE; Y42 / Tyr-kinases
QSTKVPQTPLHTS	MKK2_HUMAN	MAP KINASE-ACTIVATED PROTEIN KINASE 2 (EC 2.7.1.-) (MAPK-ACTIVATED PROTEIN KINASE 2) (MAPKAP KINASE 2) (MAPKAPK-2).	Q327 S339	T334 / MAPK; T338 / autophosphorylation (likely)
PFKLSGLSFKRNR	MRP_HUMAN	MARCKS-RELATED PROTEIN (MAC-MARCKS).	P96 R108	S100 / PKC; S103 / PKC
DIKNDSNYVVKGN	KKIT_HUMAN	MAST/STEM CELL GROWTH FACTOR RECEPTOR (EC 2.7.1.112) (SCFR) (PROTO-ONCOGENE TYROSINE-PROTEIN KINASE KIT) (C-KIT) (CD117 ANTIGEN).	D816 N828	S821 / PKC alpha
CSDSTNEYMDMKP	A065-D	MAST/STEM CELL GROWTH FACTOR RECEPTOR (SCFR)	C714 P726	Y721 / CHK
ESHESMESYELNP	MGP_HUMAN	MATRIX GLA-PROTEIN (MGP).	E21 P33	S22; S25; S28
VVTLCYESHESME	MGP_HUMAN	MATRIX GLA-PROTEIN (MGP).	V15 E27	S22; S25;
LCYESHESMESYE	MGP_HUMAN	MATRIX GLA-PROTEIN (MGP).	L18 E30	S22; S25; S28
GSRSRTPSLPTPP	B154-C	MICROTUBULE-ASSOCIATED PROTEIN TAU	G523 P535	S524 / GSK3; S526; T528 / MAPK, GSK3; S530 / PKA,

				CDK5, PKC; T533 / CDK5, GSK3
VDLSKVTSKCGSL	B154-F	MICROTUBULE-ASSOCIATED PROTEIN TAU	V629 L641	S640 / MARK1, GSK3 ALPHA
GAEIVYKSPVVS	B154-I	MICROTUBULE-ASSOCIATED PROTEIN TAU	G705 G717	S712 / PDPK, MAPK, GSK3, CDK5; S716 / GSK3
PVVS G DTSPRHLS	B154-J	MICROTUBULE-ASSOCIATED PROTEIN TAU	P713 S725	S716 / GSK3; T719 / GSK-3Beta; S720 / MAPK, GSK3, CDK5, PDPK; S725 / PKA
D T SPRHLSNV S ST	B154-K	MICROTUBULE-ASSOCIATED PROTEIN TAU	D718 T730	T719 / GSK-3Beta; S720 / MAPK, GSK3, CDK5, PDPK; S725 / PKA; S728 / ; S729 / GSK-3BETA
RVQSKIGSLDNIT	B154-H	MICROTUBULE-ASSOCIATED PROTEIN TAU	R665 T677	S672 / MARK1, PKA, CaM Kinase II, C-Kinase, GSK3, PKA p110k
TPGSR S RTPSLPT	B154-P	MICROTUBULE-ASSOCIATED PROTEIN TAU	T521 T533	T521/ PDPK, CDK5, GSK3Beta ; S524 / GSK3; S526 / ; T528 / PDPK, MAPK, GSK3, CDK5, PKA; S530 / PKA, CDK5, PKC ; T533 / PDPK, CDK5, GSK-3
RHLSNV S STGSID	B154-L	MICROTUBULE-ASSOCIATED PROTEIN TAU	R722 D734	S725 / PKA; S728 / ; S729 / GSK-3BETA; S732 / CaMK2
SNV S STGSIDMVD	B154-M	MICROTUBULE-ASSOCIATED PROTEIN TAU	S725 D737	S725 / PKA; S728 / ; S729 / GSK-3BETA; S732 / CaMK2
KKVAVVRTPPKSP	B154-Q	MICROTUBULE-ASSOCIATED PROTEIN TAU	K540 P552	T547 / PDPK, GSK3, CDK5 A-Kinase ; S551 / PDPK, MAPK, GSK-3, CDK5
KVTSKCGSLGNIH	B154-G	MICROTUBULE-ASSOCIATED PROTEIN TAU	K633 H645	S640 / MARK1, GSK3 ALPHA
VVRTPPKSPSSAK	B154-D	MICROTUBULE-ASSOCIATED PROTEIN TAU	V544 K556	T547 / PDPK, GSK3, CDK5 A-Kinase ; S551 / PDPK, MAPK, GSK-3, CDK5; S553 / PK; S554
GDRSGYSSPGSPG	B154-A	MICROTUBULE-ASSOCIATED PROTEIN TAU	G508 G520	S511 / A-kinase, GSK-3; S514 / PDPK, A-kinase gsk-3; S514

				<p>Dephosphorylierung: Protein phosphatase 2, regulatory subunit B (B56), alpha protein phosphatase 5; S515 / PDPK, MAPK, GSK-3, A-kinase; S515</p> <p>Dephosphorylierung: Protein phosphatase 2, regulatory subunit B (B56), alpha protein phosphatase 5 ; S518 / PDPK, MAPK, CDK5, GSK-3 beta</p>
SGYSSPGSPGTPG	B154-B	MICROTUBULE-ASSOCIATED PROTEIN TAU	S511 G523	<p>S511 / A-kinase, GSK-3; S514 / PDPK, A-kinase gsk-3; S514</p> <p>Dephosphorylierung: Protein phosphatase 2, regulatory subunit B (B56), alpha protein phosphatase 5; S515 / PDPK, MAPK, GSK-3, A-kinase; S515</p> <p>Dephosphorylierung: Protein phosphatase 2, regulatory subunit B (B56), alpha protein phosphatase 5 ; S518 / PDPK, MAPK, CDK5, GSK-3 beta; T521/ PDPK, CDK5, GSK3Beta</p>
SSPGSPGTPGSR	B154-O	MICROTUBULE-ASSOCIATED PROTEIN TAU	S514 S526	<p>S514 / PDPK, A-kinase gsk-3; S514</p> <p>Dephosphorylierung: Protein phosphatase 2, regulatory subunit B (B56), alpha protein phosphatase 5; S515 / PDPK, MAPK, GSK-3, A-kinase; S515</p> <p>Dephosphorylierung: Protein phosphatase 2, regulatory subunit B (B56), alpha</p>

				protein phosphatase 5 ; S518 / PDPK, MAPK, CDK5, GSK-3 beta; T521/ PDPK, CDK5, GSK3Beta; S524 / GSK3; S526 / ;
NVSKIGSTENLK	B154-E	MICROTUBULE-ASSOCIATED PROTEIN TAU	N571 K583	S578 / MARK1, CaM Kinase II, C-Kinase, GSK3, PKA, PKC, P110K, PK, A-Kinase ;
HQDQEGD TDAGLK	B154-N	MICROTUBULE-ASSOCIATED PROTEIN TAU	H31 K43	T38 / CK2
ILVSTVKSKRREH	MIR1_HUMAN	MINIMUM POTASSIUM ION CHANNEL-RELATED PEPTIDE 1 (MIRP1) (MINK-RELATED PEPTIDE 1).	I67 H79	
IVAILVSTVKSKR	MIR1_HUMAN	MINIMUM POTASSIUM ION CHANNEL-RELATED PEPTIDE 1 (MIRP1) (MINK-RELATED PEPTIDE 1).	I64 R76	
TSFMMPYVTRY	MK10_HUMAN	MITOGEN-ACTIVATED PROTEIN KINASE 10 (EC 2.7.1.-) (STRESS-ACTIVATED PROTEIN KINASE JNK3) (C-JUN N- TERMINAL KINASE 3) (MAP KINASE P49 3F12).	T216 Y228	T221 / MAP2K4; Y223 / MAP2K4
AGTSFMMPYVVT	MK10_HUMAN	MITOGEN-ACTIVATED PROTEIN KINASE 10 (EC 2.7.1.-) (STRESS-ACTIVATED PROTEIN KINASE JNK3) (C-JUN N- TERMINAL KINASE 3) (MAP KINASE P49 3F12).	A214 T226	T221 / MAP2K4; Y223 / MAP2K4
ADSEMTGYVTRW	MK12_HUMAN	MITOGEN-ACTIVATED PROTEIN KINASE 12 (EC 2.7.1.-) (EXTRACELLULAR SIGNAL-REGULATED KINASE 6) (EC 2.7.1.-) (ERK6) (ERK5) (STRESS- ACTIVATED PROTEIN KINASE-3) (MITOGEN-ACTIVATED PROTEIN KINASE P38 GAM A) (MAP KINASE P38 GAMMA).	A178 W190	T183 / MAP2K3, MAP2K6; Y185 / MAP2K3, MAP2K4, MAP2K6
RHTDDEMTGYVAT	MK14_HUMAN	MITOGEN-ACTIVATED PROTEIN KINASE 14 (EC 2.7.1.-) (MITOGEN-ACTIVATED PROTEIN KINASE P38) (MAP KINASE P38) (CYTOKINE SUPPRESSIVE ANTI- INFLAMMATORY DRUG BINDING PROTEIN) (CSAID BINDING PROTEIN) (CSBP (MAX-INTERACTING PROTEIN 2) (MAP KINASE MXI2).	R173 T185	T180 / MAP2K3, MAP2K6; Y182 / MAP2K3, MAP2K6
AEHQYFMTEYVAT	MK07_HUMAN	MITOGEN-ACTIVATED PROTEIN KINASE 7 (EC 2.7.1.-) (EXTRACELLULAR SIGNAL- REGULATED KINASE 5) (ERK5) (ERK4) (BMK1 KINASE).	A211 T223	T218 / ; Y220 /
ATRGRGSSVGGGS	M3K5_HUMAN	MITOGEN-ACTIVATED PROTEIN KINASE KINASE KINASE 5 (EC 2.7.1.-) (MAPK/ERK KINASE KINASE 5) (MEK KINASE 5) (MEKK 5) (APOPTOSIS SIGNAL- REGULATING KINASE 1) (ASK-1).	A76 S88	S83 / AKT1
PKLGRRHSMENME	LGN_HUMAN	MOSAIC PROTEIN LGN.	P394 E406	S401 / PKA

DLLSRFQSNRMDD	LGN_HUMAN	MOSAIC PROTEIN LGN.	D487 D499	S494 / PKC
AEKHLEISREVGD	LGN_HUMAN	MOSAIC PROTEIN LGN.	A338 D350	S345 / PKG
CQRHLDISRELND	LGN_HUMAN	MOSAIC PROTEIN LGN.	C118 D130	S125 / PKG
ILVKCQGSRLDDQ	LGN_HUMAN	MOSAIC PROTEIN LGN.	I593 Q605	S600 / PKG
SGLYRSPSMPENL	MPI3_HUMAN	M-PHASE INDUCER PHOSPHATASE 3 (EC 3.1.3.48).	S209 L221	S214 / cdc2-cyclin B kinase; S216 / Prk, CHK1, CHK2, MAPK14, Plk3, C-TAK1
PPDAADASPVVAA	ZWIA_HUMAN	M-PHASE PHOSPHOPROTEIN 5 (FRAGMENT).	P71 A83	S78
ESLSYAPSPLOKQ	ZWIA_HUMAN	M-PHASE PHOSPHOPROTEIN 5 (FRAGMENT).	E58 P70	S65
SGFQVSETPRQAP	ZWIA_HUMAN	M-PHASE PHOSPHOPROTEIN 5 (FRAGMENT).	S44 P56	T51
GSGLLCVSPWPFV	ZWIA_HUMAN	M-PHASE PHOSPHOPROTEIN 5 (FRAGMENT).	G85 V97	S92
EDENGDI T PIKAK	MPH6_HUMAN	M-PHASE PHOSPHOPROTEIN 6.	E140 K152	T147
RGRRKKKTPRKA E	MPP8_HUMAN	M-PHASE PHOSPHOPROTEIN 8 (FRAGMENT).	R100 E112	T107
AFDLFKLTPEEKN	MPP8_HUMAN	M-PHASE PHOSPHOPROTEIN 8 (FRAGMENT).	A220 N232	T227
LMPVSAQTPKGRR	MPP8_HUMAN	M-PHASE PHOSPHOPROTEIN 8 (FRAGMENT).	L151 R163	T158
RSPKENLSPGF S H	MPP9_HUMAN	M-PHASE PHOSPHOPROTEIN 9 (FRAGMENT).	R21 H33	S22; S 28
LLSKNESSPI R FD	MPP9_HUMAN	M-PHASE PHOSPHOPROTEIN 9 (FRAGMENT).	L34 D46	S41
TPVTVAYS P KRSP	MPP9_HUMAN	M-PHASE PHOSPHOPROTEIN 9 (FRAGMENT).	T11 P23	T11; S18; S22
QCKPVS V TPQ G ND	MPP9_HUMAN	M-PHASE PHOSPHOPROTEIN 9 (FRAGMENT).	Q123 D135	T130
VAYS P KRSPKENL	MPP9_HUMAN	M-PHASE PHOSPHOPROTEIN 9 (FRAGMENT).	V15 L27	S18; S22
TKREIMLTPVTVA	MPP9_HUMAN	M-PHASE PHOSPHOPROTEIN 9 (FRAGMENT).	T4 A16	T11
AALSRMPS P GGRI	MPP9_HUMAN	M-PHASE PHOSPHOPROTEIN 9 (FRAGMENT).	A164 I176	S171
SSNDSRSS L IRKR	B037-A	MULTIDRUG RESISTANCE PROTEIN 1 (P-GLYCOPROTEIN 1)	S654 R666	S661 / PKC
KIPKRPGSVHRTP	ACM1_HUMAN	MUSCARINIC ACETYLCHOLINE RECEPTOR M1.	K444 P456	S451; T455
CNKAFRDTFRLLL	ACM1_HUMAN	MUSCARINIC ACETYLCHOLINE RECEPTOR M1.	C421 L433	T428
VQGEKESSNDST	B353-F	MUSCARINIC ACETYLCHOLINE RECEPTOR M2	V275 T287	S282 / GRK; S283 / GRK; S286 / GRK; T287 / GRK
VANQDPVSPSLVQ	B353-A	MUSCARINIC ACETYLCHOLINE RECEPTOR M2	V225 Q237	S232 / GRK; S234 / GRK
SNDSTSVSAVASN	B353-K	MUSCARINIC ACETYLCHOLINE RECEPTOR M2	S283 N295	S283 / GRK; S286 / GRK; T287 / GRK; S288 / GRK; S290 / GRK; S294 / GRK
KAPRDPVTENC V Q	B353-E	MUSCARINIC ACETYLCHOLINE RECEPTOR M2	K264 Q276	T271 / GRK

TQDENTVSTSLGH	B353-O	MUSCARINIC ACETYLCHOLINE RECEPTOR M2	T302 H314	T302 / GRK; T307 / GRK; S309 / GRK; T310 / GRK; S311 / GRK
EKESSNDSTSVSA	B353-H	MUSCARINIC ACETYLCHOLINE RECEPTOR M2	E279 A291	S282 / GRK; S283 / GRK; S286 / GRK; T287 / GRK; S288 / GRK; S290 / GRK
EITQDENTVSTSL	B353-N	MUSCARINIC ACETYLCHOLINE RECEPTOR M2	E300 L312	T302 / GRK; T307 / GRK; S309 / GRK; T310 / GRK; S311 / GRK
TSVSAVASNMRDD	B353-L	MUSCARINIC ACETYLCHOLINE RECEPTOR M2	T287 D299	T287 / GRK; S288 / GRK; S290 / GRK; S294 / GRK
NMRDDEITQDENT	B353-M	MUSCARINIC ACETYLCHOLINE RECEPTOR M2	N295 T307	T302 / GRK; T307 / GRK
CNATFKKTFRHLL	ACM4_HUMAN	MUSCARINIC ACETYLCHOLINE RECEPTOR M4.	C456 L468	T463
CNRTFRKTFKMLL	ACM5_HUMAN	MUSCARINIC ACETYLCHOLINE RECEPTOR M5.	C498 L510	T501; T505
CYALCNRTFRKTF	ACM5_HUMAN	MUSCARINIC ACETYLCHOLINE RECEPTOR M5.	C494 F506	T501; T505
RKPGLRRSPIKKV	MYBB_HUMAN	MYB-RELATED PROTEIN B (B-MYB).	R570 V582	S577 / Cyclin A CDK2
LDSCNSLTPKSTP	MYBB_HUMAN	MYB-RELATED PROTEIN B (B-MYB).	L433 P445	T440 / Cyclin A CDK2; T444 / Cyclin A CDK2
TPLHRDKTPLHQK	MYBB_HUMAN	MYB-RELATED PROTEIN B (B-MYB).	T487 K499	T487 / Cyclin A CDK2; T494 / Cyclin A CDK2
NSLTPKSTPVKTL	MYBB_HUMAN	MYB-RELATED PROTEIN B (B-MYB).	N437 L449	T440 / Cyclin A CDK2; T444 / Cyclin A CDK2
SQKVVVTTPLHRD	MYBB_HUMAN	MYB-RELATED PROTEIN B (B-MYB).	S480 D492	T487 / Cyclin A CDK2
DNTPHTPTPFKNA	MYBB_HUMAN	MYB-RELATED PROTEIN B (B-MYB).	D513 A525	T515 / CKK2; T518 / CDK2; T520 / Cyclin A CDK2
KKFELLPTPPLSP	MYC_HUMAN	MYC PROTO-ONCOGENE PROTEIN (C-MYC).	K51 P63	T58 / CK2, GSK; S62 / JNK1, ERT
LLPTPPLSPSRRS	MYC_HUMAN	MYC PROTO-ONCOGENE PROTEIN (C-MYC).	L55 S67	T58 / CK2, GSK; S62 / JNK1, ERT
MPLNVSFTNRNYD	MYC_HUMAN	MYC PROTO-ONCOGENE PROTEIN (C-MYC).	M1 D13	T8 / c-RAF
TPRTPPPSQKGR	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	T229 R241	T232
GLSLSRFSWGAEG	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	G242 G254	S249
PLPSHARSQPGLC	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	P68 C80	
QGKGRGLSLSRFS	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	Q237 S249	S249
FKLGGRDSRSGSP	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	F288 P300	S295; S299

PGRSPLPSHARSQ	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	P64 Q76	
KGRGLSLSRFSWG	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	K239 G251	S249
SKYLATASTMDHA	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	S146 A158	
FLPRHRDTGILDS	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	F162 S174	
RP S QRHGSKYLAT	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	R139 T151	S141
LCNMYKDSHHPAR	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	L79 R91	
GRASDYKSAHKGF	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	G263 F275	
PWLKPGRSPLPSH	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	P60 H72	
VDAQGTLISKIFKL	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	V278 L290	
ARTAHYGSLPQKS	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	A198 S210	
PQKSHGRTQDENP	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	P207 P219	
HFFKNIIVTPR T PP	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	H222 P234	T232
FGYGGRASDYKSA	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	F259 A271	
KGVDAQGTLISKIF	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	K276 F288	
YGSLPQKSHGRTQ	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	Y203 Q215	
HGSKYLATASTMD	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	H144 D156	
KNIVTPR T PPPSQ	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	K225 Q237	T232
RDTGILDSIGRFF	MBP_HUMAN	MYELIN BASIC PROTEIN (MBP).	R167 F179	
KGMMPL S EEEEEL	MEFA_HUMAN	MYOCYTE-SPECIFIC ENHANCER FACTOR 2A (SERUM RESPONSE FACTOR-LIKE PROTEIN 1).	K282 L294	S289 / CK2;
RKGAGDG S DEEVD	B073-B	MYOSIN HEAVY CHAIN, NONMUSCLE TYPE A (NMMHC-A)	R1937 D1949	S1944 / PKC, CK2
AMNREV S SLKNKL	B073-A	MYOSIN HEAVY CHAIN, NONMUSCLE TYPE A (NMMHC-A)	A1910 L1922	S1917 / PKC, CK2
KKRPQR A TSNVFA	MLRM_HUMAN	MYOSIN REGULATORY LIGHT CHAIN 2, NONSARCOMERIC (MYOSIN RLC).	K10 A22	T17 / MLCK ; S18 / MLCK
DKKGNFN Y VEFTR	A055-D	MYOSIN REGULATORY LIGHT CHAIN 2, SMOOTH MUSCLE ISOFORM	D148 R160	Y155 / EGFR
AGGRR I SDSHED	MYPC_HUMAN	MYOSIN-BINDING PROTEIN C, CARDIAC-TYPE (CARDIAC MYBP-C) (C-PROTEIN, CARDIAC MUSCLE ISOFORM).	A277 D289	S284 / PKA, PKC
LSAFRRT S LAGGG	MYPC_HUMAN	MYOSIN-BINDING PROTEIN C, CARDIAC-TYPE (CARDIAC MYBP-C) (C-PROTEIN, CARDIAC MUSCLE ISOFORM).	L268 G280	S275 / PKA, PKC
SLLKKR D SFRTPR	MYPC_HUMAN	MYOSIN-BINDING PROTEIN C, CARDIAC-TYPE (CARDIAC MYBP-C) (C-PROTEIN, CARDIAC MUSCLE ISOFORM).	S297 R309	S304 / PKA, PKC
KRF S FKK S FKLSG	MACS_HUMAN	MYRISTOYLATED ALANINE-RICH C-KINASE SUBSTRATE	K155 G167	S158 / PKC; S162 / PKC;

		(MARCKS) (PROTEIN KINASE C SUBSTRATE, 80 KDA PROTEIN, LIGHT CHAIN) (PKCSL) (80K-L PROTEIN).		S166 / PKC
FKK S FKLSG F SFK	MACS_HUMAN	MYRISTOYLATED ALANINE-RICH C-KINASE SUBSTRATE (MARCKS) (PROTEIN KINASE C SUBSTRATE, 80 KDA PROTEIN, LIGHT CHAIN) (PKCSL) (80K-L PROTEIN).	F159 K171	S162 / PKC; S166 / PKC; S169 / PKC
KKKKKRF S FKK S F	MACS_HUMAN	MYRISTOYLATED ALANINE-RICH C-KINASE SUBSTRATE (MARCKS) (PROTEIN KINASE C SUBSTRATE, 80 KDA PROTEIN, LIGHT CHAIN) (PKCSL) (80K-L PROTEIN).	K151 F163	S158 / PKC; S162 / PKC
SSVIGW P TVRERM	NEF_HV1H2	NEGATIVE FACTOR (F-PROTEIN) (27 KDA PROTEIN) (3'ORF).	S8 M20	T15 / PKC
GLVEVAS Y CEESR	G45B_HUMAN	NEGATIVE GROWTH-REGULATORY PROTEIN MYD118 (MYELOID DIFFERENTIATION PRIMARY RESPONSE PROTEIN MYD118) (GROWTH ARREST AND DNA-DAMAGE-INDUCIBLE PROTEIN GADD45 BETA).	G134 R146	Y141 / CK2
PPTETG E SSQ A EE	NEUM_HUMAN	NEUROMODULIN (AXONAL MEMBRANE PROTEIN GAP-43) (PP46) (B-50) (PROTEIN F1) (CALMODULIN-BINDING PROTEIN P-57).	P195 E207	S202 / CK2; S203 / CK2
AATKI Q ASFRGHI	NEUM_HUMAN	NEUROMODULIN (AXONAL MEMBRANE PROTEIN GAP-43) (PP46) (B-50) (PROTEIN F1) (CALMODULIN-BINDING PROTEIN P-57).	A34 I46	S41 / PKC
PGP Q SPG S PLEEE	B060-G	NEUTROPHIL CYTOSOL FACTOR 2 (P47-PHOX)	P341 E353	S345 / MAPK; S348 / CK2, MAPK
AHSIH Q RSRKRL S	B060-C	NEUTROPHIL CYTOSOL FACTOR 2 (P47-PHOX)	A308 S320	S315 / PKC zeta, PKC alpha, PKC Beta II, PKC delta; S320 / PKC alpha; PKC Beta II, PKC delta, PKA
QARPG Q SPG S SPL	B060-F	NEUTROPHIL CYTOSOL FACTOR 2 (P47-PHOX)	Q338 L350	S345 / MAPK; S348 / CK2, MAPK
RGAPRR S SIRNA	B060-A	NEUTROPHIL CYTOSOL FACTOR 2 (P47-PHOX)	R296 A308	S303 / PKC zeta, PKC alpha, PKC Beta II, PKC delta; S304 / PKC zeta, PKC alpha, PKC Beta II, PKC delta
DLILNRC S ESTKR	B060-H	NEUTROPHIL CYTOSOL FACTOR 2 (P47-PHOX)	D372 R384	S379 / PKC alpha, PKC Beta II, PKC delta
QR S RKRL S QDAYR	B060-D	NEUTROPHIL CYTOSOL FACTOR 2 (P47-PHOX)	Q313 R325	S315 / PKC zeta, PKC alpha, PKC Beta II, PKC

				delta; S320 / PKC alpha; PKC Beta II, PKC delta, PKA
QDAYRRNSVRFLQ	B060-E	NEUTROPHIL CYTOSOL FACTOR 2 (P47-PHOX)	Q321 Q333	S328 / PKC alpha, PKC Beta II, PKC delta
CMDKYRLSCLEEE	NS2A_HUMAN	NITRIC OXIDE SYNTHASE, INDUCIBLE (EC 1.14.13.39) (NOS, TYPE II) (INDUCIBLE NOS) (INOS) (HEPATOCYTE NOS) (HEP-NOS).	C571 E583	S578 / PKA
ICRHVRYSTNNGN	NS2A_HUMAN	NITRIC OXIDE SYNTHASE, INDUCIBLE (EC 1.14.13.39) (NOS, TYPE II) (INDUCIBLE NOS) (INOS) (HEPATOCYTE NOS) (HEP-NOS).	I227 N239	S234 / PKA
EFPSLRVSAGFLL	NS2A_HUMAN	NITRIC OXIDE SYNTHASE, INDUCIBLE (EC 1.14.13.39) (NOS, TYPE II) (INDUCIBLE NOS) (INOS) (HEPATOCYTE NOS) (HEP-NOS).	E885 L897	S892 / PKA
TSGEDTLSDSDDE	MYCN_HUMAN	N-MYC PROTO-ONCOGENE PROTEIN.	T254 E266	S261 / CK2; S263 / CK2
SGEDTLSDSDDED	MYCN_HUMAN	N-MYC PROTO-ONCOGENE PROTEIN.	S255 D267	S261 / CK2; S263 / CK2
LHALGKATPIYLD	TRKC_HUMAN	NT-3 GROWTH FACTOR RECEPTOR (EC 2.7.1.112) (TRKC TYROSINE KINASE) (GP145-TRKC) (TRK-C).	L824 D836	Y834 / autophosphorylation
FGMSRDVYSTDY	TRKC_HUMAN	NT-3 GROWTH FACTOR RECEPTOR (EC 2.7.1.112) (TRKC TYROSINE KINASE) (GP145-TRKC) (TRK-C).	F698 Y710	Y705 / autophosphorylation; Y709 / autophosphorylation
FVQLRRKSDLETS	KBF1_HUMAN	NUCLEAR FACTOR NF-KAPPA-B P105 SUBUNIT (DNA-BINDING FACTOR KBF1) (EBP- 1) [CONTAINS: NUCLEAR FACTOR NF-KAPPA-B P50 SUBUNIT].	F330 S342	S337 / PKA
DEDSPSSPEDTSY	NRF1_HUMAN	NUCLEAR RESPIRATORY FACTOR-1 (NRF-1) (ALPHA PALINDROMIC BINDING PROTEIN) (ALPHA-PAL).	D41 Y53	S44 / CK2; S46 / CK2; S47 / CK2; S52 / CK2
DEEEDDDSEEDDEE	NUCL_HUMAN	NUCLEOLIN (PROTEIN C23).	D145 E157	S152
KNAKKEDSDEEED	NUCL_HUMAN	NUCLEOLIN (PROTEIN C23).	K137 D149	S144
AAAAAPASEDEDD	NUCL_HUMAN	NUCLEOLIN (PROTEIN C23).	A176 D188	S183
AVEEDAESSEDEEE	NPM_HUMAN	NUCLEOPHOSMIN (NPM) (NUCLEOLAR PHOSPHOPROTEIN B23) (NUMATRIN) (NUCLEOLAR PROTEIN NO38).	A118 E130	S125 / CK2
PRSKGQESFKKQE	B159-B	NUCLEOPHOSMIN (NUCLEOLAR PHOSPHOPROTEIN B23)	P220 E232	S227 / PKC
VLKEQTGSDDDEDE	DCOR_HUMAN	ORNITHINE DECARBOXYLASE (EC 4.1.1.17) (ODC).	V296 E308	S303 / CK2
KEVVRTDSLKGR	NR41_HUMAN	ORPHAN NUCLEAR RECEPTOR HMR (EARLY RESPONSE PROTEIN NAK1) (TR3 ORPHAN RECEPTOR).	K334 R346	S341 / PKA
GRRGRLPSKPKQP	NR41_HUMAN	ORPHAN NUCLEAR RECEPTOR HMR (EARLY RESPONSE PROTEIN NAK1) (TR3 ORPHAN RECEPTOR).	G344 P356	S351 / PKA

YLSWGTAS PYSAM	PMX1_HUMAN	PAIRED MESODERM HOMEBOX PROTEIN 1 (HOMEBOX PROTEIN PHOX1).	Y190 M202	S197
WTASSPYSTVPPY	PMX2_HUMAN	PAIRED MESODERM HOMEBOX PROTEIN 2 (PRX-2) (FRAGMENT).	W202 Y214	
FLSEETP YSYPTG	A007-A	PAXILLIN	F24 G36	Y31 / FAK, v-Src, Abl
YPTGNHT YQEIAV	A007-B	PAXILLIN	Y33 V45	Y40 / Csk, v-Src, Abl
VGEEHV YSF PNK	PAXI_HUMAN	PAXILLIN.	V111 K123	Y118 / FAK, v-Src, Abl
SSTYQ STSETVSI	PEPA_HUMAN	PEPSIN A (EC 3.4.23.1).	S123 I135	S130
QRSELDKSSA HSY	PERI_HUMAN	PERIPHERIN.	Q459 Y471	Y471
PGLGRKL SDFGQE	PH4H_HUMAN	PHENYLALANINE-4-HYDROXYLASE (EC 1.14.16.1) (PAH) (PHE-4- MONOOXYGENASE).	P9 E21	S16 / PKA
ERVSRK MSIQEYE	PHOS_HUMAN	PHOSDUCIN (PHD) (33 KDA PHOTOTRANSDUCING PROTEIN) (MEKA PROTEIN).	E66 E78	S73 / PKA
EEGTFR SSIRRLS	PLM_HUMAN	PHOSPHOLEMMAN .	E76 S88	S83 / PKA, PKC; S88 / PKA
SNVSPA ISIHEIG	KPB1_HUMAN	PHOSPHORYLASE B KINASE ALPHA REGULATORY CHAIN, SKELETAL MUSCLE ISOFORM (PHOSPHORYLASE KINASE ALPHA M SUBUNIT).	S978 G990	S985 / PKA
TGIMQLK SEIKQV	KPB1_HUMAN	PHOSPHORYLASE B KINASE ALPHA REGULATORY CHAIN, SKELETAL MUSCLE ISOFORM (PHOSPHORYLASE KINASE ALPHA M SUBUNIT).	T1000 V1012	S1007 / PKA
QVEFRRL SISAES	KPB1_HUMAN	PHOSPHORYLASE B KINASE ALPHA REGULATORY CHAIN, SKELETAL MUSCLE ISOFORM (PHOSPHORYLASE KINASE ALPHA M SUBUNIT).	Q1011 S1023	S1018 / PKA
KEFGVER SVRPTD	KPB1_HUMAN	PHOSPHORYLASE B KINASE ALPHA REGULATORY CHAIN, SKELETAL MUSCLE ISOFORM (PHOSPHORYLASE KINASE ALPHA M SUBUNIT).	K965 D977	S972 / PKA
RL SISAESQSPGT	KPB1_HUMAN	PHOSPHORYLASE B KINASE ALPHA REGULATORY CHAIN, SKELETAL MUSCLE ISOFORM (PHOSPHORYLASE KINASE ALPHA M SUBUNIT).	R1016 T1028	S1018 / PKA
AGLTAEV SWKVLE	KPBB_HUMAN	PHOSPHORYLASE B KINASE BETA REGULATORY CHAIN (PHOSPHORYLASE KINASE BETA SUBUNIT).	A4 E16	S11 / Auto
SKVKRQ SSTPSAP	KPBB_HUMAN	PHOSPHORYLASE B KINASE BETA REGULATORY CHAIN (PHOSPHORYLASE KINASE BETA SUBUNIT).	S693 P705	S700 / PKA
NENTEDQ YSLVED	A044-A	PI3-KINASE P85-ALPHA SUBUNIT	N600 D612	Y607 / Insulin receptor; S608 / Phosphoinositide-3-kinase, catalytic subunit, gamma

HSWPWQVSLRTRF	PLMN_HUMAN	PLASMINOGEN (EC 3.4.21.7) [CONTAINS: ANGIOSTATIN].	H590 F602	S597
KKDTETVYSEVRK	PEC1_HUMAN	PLATELET ENDOTHELIAL CELL ADHESION MOLECULE (PECAM-1) (CD31 ANTIGEN) (ENDOCAM) (GPIIA').	K706 K718	Y713
ARAAARLSLTDPL	B103-A	PLATELET GLYCOPROTEIN IB BETA CHAIN (GP-IB BETA)	A184 L196	S191 / PKA
GQKFARKSTRRSI	B189-A	PLECKSTRIN (PLATELET P47 PROTEIN)	G106 I118	S113 / PKC; T114 / PKC; S117 / PKC
QAIKMDRYKDNFT	B189-C	PLECKSTRIN (PLATELET P47 PROTEIN)	Q921 T933	Y928 / autophosphorylation
AGMEFSRSKSDNS	EDG1_HUMAN	PROBABLE G PROTEIN-COUPLED RECEPTOR EDG-1.	A345 S357	S352
QSKVPFRSRPSE	GPR6_HUMAN	PROBABLE G PROTEIN-COUPLED RECEPTOR GPR6.	Q349 E361	S356; S358; S360
DSSESEESAGPLL	PRGR_HUMAN	PROGESTERONE RECEPTOR (PR).		
GPFPQSQTSDTLP	PRGR_HUMAN	PROGESTERONE RECEPTOR (PR).	G34 P46	T41 / CK
EQRMKESSFYSLC	PRGR_HUMAN	PROGESTERONE RECEPTOR (PR).	E786 C798	S793 / CK
LRPDSEASQSPQY	PRGR_HUMAN	PROGESTERONE RECEPTOR (PR).	L545 Y557	S552 / CK
EVEEEDSSESEES	PRGR_HUMAN	PROGESTERONE RECEPTOR (PR).		
VASVMQEYQTQSGG	PSA2_HUMAN	PROTEASOME SUBUNIT ALPHA TYPE 2 (EC 3.4.99.46) (PROTEASOME COMPONENT C3) (MACROPAIN SUBUNIT C3) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT C3).	V113 G125	Y120
RLDGENIYIRHSN	A012-A	PROTEIN 4.1 (BAND 4.1) (P4.1)	R620 N632	Y627 / EGFR
KFEEAERSLKDME	G19P_HUMAN	PROTEIN KINASE C SUBSTRATE, 80 KDA PROTEIN, HEAVY CHAIN (PKCSH) (80K-H PROTEIN).	K375 E387	S382 / PKC
YKPLYIPSNRVND	G19P_HUMAN	PROTEIN KINASE C SUBSTRATE, 80 KDA PROTEIN, HEAVY CHAIN (PKCSH) (80K-H PROTEIN).	Y82 D94	S89 / PKC
SLKDMEEESIRNLE	G19P_HUMAN	PROTEIN KINASE C SUBSTRATE, 80 KDA PROTEIN, HEAVY CHAIN (PKCSH) (80K-H PROTEIN).	S382 E394	S382 / PKC; S389 / PKC
ENFDKFFTRGQPV	KPCA_HUMAN	PROTEIN KINASE C, ALPHA TYPE (EC 2.7.1.-) (PKC-ALPHA).	E624 V636	T631 / autophosphorylation
SNFDKEFTRQPVE	KPC1_HUMAN	PROTEIN KINASE C, BETA-I TYPE (EC 2.7.1.-) (PKC-BETA-1).	S628 E640	T635 / autophosphorylation
TRQPVELTPTDKL	KPC1_HUMAN	PROTEIN KINASE C, BETA-I TYPE (EC 2.7.1.-) (PKC-BETA-1).	T635 L647	T635 / autophosphorylation; T642
PPSEGEESTVRFA	KPC2_HUMAN	PROTEIN KINASE C, BETA-II TYPE (EC 2.7.1.-) (PKC-BETA-2).	P9 A21	S16 / autophosphorylation; T17 / autophosphorylation
TRHPPVLTPPDQE	KPC2_HUMAN	PROTEIN KINASE C, BETA-II TYPE (EC 2.7.1.-) (PKC-BETA-2).	T634 E646	
PEEKTTNTVSKFD	KPC2_HUMAN	PROTEIN KINASE C, BETA-II TYPE (EC 2.7.1.-) (PKC-BETA-2).	P317 D329	T324 / autophosphorylation

RAKISQGT ^K VP ^E EE	KPC2_HUMAN	PROTEIN KINASE C, BETA-II TYPE (EC 2.7.1.-) (PKC-BETA-2).	R307 E319	T314 / autophosphorylation
NNFDQDF ^T RE ^E EPV	KPCE_HUMAN	PROTEIN KINASE C, EPSILON TYPE (EC 2.7.1.-) (NPKC-EPSILON).	N696 V708	T703 / autophosphorylation
^T RE ^E PV ^L TLV ^D E ^A	KPCE_HUMAN	PROTEIN KINASE C, EPSILON TYPE (EC 2.7.1.-) (NPKC-EPSILON).	T703 A715	T703 / autophosphorylation; T710 / autophosphorylation
^T RAAPAL ^T PP ^D R ^L	KPCG_HUMAN	PROTEIN KINASE C, GAMMA TYPE (EC 2.7.1.-) (PKC-GAMMA).	T648 L660	T648 / autophosphorylation; T655 / autophosphorylation
QIRRRR ^P TPAT ^L V	IPP1_HUMAN	PROTEIN PHOSPHATASE INHIBITOR 1 (IPP-1) (I-1).	Q28 V40	T35 / PKA
GDDEDAC ^S DTE ^A T	IPP2_HUMAN	PROTEIN PHOSPHATASE INHIBITOR 2 (IPP-2).	G79 T91	S86 / CK2
YRIQE ^Q E ^S S ^G E ^E D	IPP2_HUMAN	PROTEIN PHOSPHATASE INHIBITOR 2 (IPP-2).	Y113 D125	S120 / CK2; S121 / CK2
MKIDEP ^S TPY ^H SM	IPP2_HUMAN	PROTEIN PHOSPHATASE INHIBITOR 2 (IPP-2).	M65 M77	T72 / GSK-3Beta, NCLK
RSRVVGG ^S SLRGA ^Q	PTN1_HUMAN	PROTEIN-TYROSINE PHOSPHATASE 1B (EC 3.1.3.48) (PTP-1B).	R371 Q383	S378 / PKC, CK2
LRGAQAAS ^P AK ^G E	PTN1_HUMAN	PROTEIN-TYROSINE PHOSPHATASE 1B (EC 3.1.3.48) (PTP-1B).	L379 E391	S386 / p34cdc2:cyclin B
REDSARV ^Y ENV ^G L	A011-B	PROTEIN-TYROSINE PHOSPHATASE 2C (SH-PTP2).	R573 L585	S576 / PKC (alpha, beta 1, beta 2 und eta); Y580 / PDGFR
SKRKGHE ^Y TNI ^K Y	A011-A	PROTEIN-TYROSINE PHOSPHATASE 2C (SH-PTP2).	S535 Y547	Y542 / PDGFR
KKLERNL ^S FEI ^K K	B195-B	PROTEIN-TYROSINE PHOSPHATASE G1 (PTP-PEST)	K428 K440	S435 / PKA, PKC
FMRLRRL ^S TKY ^R T	B195-A	PROTEIN-TYROSINE PHOSPHATASE G1 (PTP-PEST)	F32 T44	S39 / PKA, PKC
EGEEDTE ^Y MTP ^S S	CBL_HUMAN	PROTO-ONCOGENE C-CBL.	E693 S705	Y700 / EGFR, Fyn, Yes, Syk, IR kinase
GPPEPG ^P YA ^Q PS ^V	A056-A	PROTO-ONCOGENE C-CRK	G214 V226	Y221 / IGF1 receptor, c-ABL, EGFR
FCKRRVES ^G EG ^S D	DBL_HUMAN	PROTO-ONCOGENE DBL [CONTAINS: MCF2].	F735 D747	S742
RQEDGGV ^Y SS ^S GL	FER_HUMAN	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE FER (EC 2.7.1.112) (P94-FER) (C-FER).	R707 L719	Y714 / autophosphorylation
REEADGV ^Y AAS ^G G	FES_HUMAN	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE FES/FPS (EC 2.7.1.112) (C-FES).	R706 G718	Y713 / autophosphorylation
FTATEP ^Q Y ^Q P ^G EN	A045-B	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE Fyn	F523 N535	Y530 / Csk
QCKDKEAT ^K L ^T EE	FYN_HUMAN	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE FYN (EC 2.7.1.112) (P59-FYN) (SYN) (SLK).	Q4 E16	T11 / PKC
RLIEDNE ^Y TARE ^G	LCK_HUMAN	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE LCK (EC 2.7.1.112) (P56-LCK) (LSK) (T CELL-SPECIFIC PROTEIN-	R386 G398	Y393 / autophosphorylation

		TYROSINE KINASE).		
TPSDSLI Y DDGLS	A051-D	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE RECEPTOR RET	T1022 S1034	Y1029 / autophosphorylation
SRKVGPG Y LGSGG	A051-B	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE RECEPTOR RET	S819 G831	Y826 / autophosphorylation
TWIENK L YGMSDP	A051-E	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE RECEPTOR RET	T1055 P1067	Y1062 / autophosphorylation
AQAFPV S YSSSGA	A051-A	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE RECEPTOR RET	A680 A692	Y687 / autophosphorylation
LIEDNE Y TARQGA	SRC_HUMAN	PROTO-ONCOGENE TYROSINE-PROTEIN KINASE SRC (EC 2.7.1.112) (P60-SRC) (C-SRC).	L412 A424	Y418 / autophosphorylation
RRAASMDSSSKLL	AFX1_HUMAN	PUTATIVE FORK HEAD DOMAIN TRANSCRIPTION FACTOR AFX1.	R192 L204	S196 / PKB
PRSS S NASSVSTR	AFX1_HUMAN	PUTATIVE FORK HEAD DOMAIN TRANSCRIPTION FACTOR AFX1.	P257 R269	S261 / PKB
NRYGMGT S VERAA	ODPA_HUMAN	PYRUVATE DEHYDROGENASE E1 COMPONENT ALPHA SUBUNIT, SOMATIC FORM, MITOCHONDRIAL (EC 1.2.4.1) (PDHE1-A TYPE I).	N225 A237	S232 / PDK
TYRYHG H SMSDPG	ODPT_HUMAN	PYRUVATE DEHYDROGENASE E1 COMPONENT ALPHA SUBUNIT, TESTIS-SPECIFIC FORM, MITOCHONDRIAL (EC 1.2.4.1) (PDHE1-A TYPE II).	T284 G296	S291
S MSDPGVSYRTRE	ODPT_HUMAN	PYRUVATE DEHYDROGENASE E1 COMPONENT ALPHA SUBUNIT, TESTIS-SPECIFIC FORM, MITOCHONDRIAL (EC 1.2.4.1) (PDHE1-A TYPE II).	S291 E303	S291 S298
KDGATMK T FCGTP	KRAC_HUMAN	RAC-ALPHA SERINE/THREONINE KINASE (EC 2.7.1.-) (RAC-PK-ALPHA) (PROTEIN KINASE B) (PKB) (C-AKT).	K301 P313	T308 / PDPK1
SQRQRST S TPNVH	B193-A	RAF PROTO-ONCOGENE SEINE/THREONINE-PROTEIN KINASE (RAF-1)	S252 H264	S259 / PKA, AKT1
PKINRS A SEPSLH	B193-C	RAF PROTO-ONCOGENE SEINE/THREONINE-PROTEIN KINASE (RAF-1)	P614 H626	S621 / PKA, RAF1, AMPK
VK S RWSGSQQVEQ	B193-B	RAF PROTO-ONCOGENE SEINE/THREONINE-PROTEIN KINASE (RAF-1)	V492 Q504	S494; S499 / PKC alpha
RPRGQRD S SYWE	KRAF_HUMAN	RAF PROTO-ONCOGENE SERINE/THREONINE-PROTEIN KINASE (EC 2.7.1.-) (RAF-1) (C-RAF).	R331 E343	S338 / PAK1, PAK2, PAK3; S339; Y340; Y341 / c-Src
TVDGKEI Y NTIRR	A006-A	Ras-GTPASE-ACTIVATING PROTEIN (Ras-GAP)	T453 R465	Y460 / PDGFR, EGFR, Lck
KSNVKI Q STPVKQ	RB1A_HUMAN	RAS-RELATED PROTEIN RAB-1A (YPT1-RELATED PROTEIN).	K187 Q199	S194 / cdc2

AALRQLR S PRRTQ	B343-A	RAS-RELATED PROTEIN RAB-4A	A192 Q204	S199 / cdc2
PGKARKK S SCQLL	B130-A	RAS-RELATED PROTEIN RAP-1B (GTP-BINDING PROTEIN SMG P21B)	P172 L184	S179 / PKA
TCSPQPE Y VNQPD	ERB2_HUMAN	RECEPTOR PROTEIN-TYROSINE KINASE ERBB-2 (EC 2.7.1.112) (P185ERBB2) (NEU PROTO-ONCOGENE) (C-ERBB-2) (TYROSINE KINASE-TYPE CELL SURFACE RECEPTOR HER2) (MLN 19).	T1132 D1144	Y1139 / autophosphorylation
RNLYSGD Y YRIQG	DDR2_HUMAN	RECEPTOR PROTEIN-TYROSINE KINASE TKT (EC 2.7.1.112) (TYROSINE-PROTEIN KINASE TYRO 10) (NEUROTROPHIC TYROSINE KINASE, RECEPTOR-RELATED 3).	R733 G745	Y740 / autophosphorylation
SKSKDVL S AAEVM	RGS1_HUMAN	REGULATOR OF G-PROTEIN SIGNALING 1 (RGS1) (EARLY RESPONSE PROTEIN 1R20) (B-CELL ACTIVATION PROTEIN BL34).	S55 M67	S62 / CK2
ELKGTTH S LLDDK	RGS1_HUMAN	REGULATOR OF G-PROTEIN SIGNALING 1 (RGS1) (EARLY RESPONSE PROTEIN 1R20) (B-CELL ACTIVATION PROTEIN BL34).	E12 K24	S19 / CK2
HLESGMK S SKSKD	RGS1_HUMAN	REGULATOR OF G-PROTEIN SIGNALING 1 (RGS1) (EARLY RESPONSE PROTEIN 1R20) (B-CELL ACTIVATION PROTEIN BL34).	H47 D59	S54 / PKC
EAQKVI Y TLMEKD	RGS1_HUMAN	REGULATOR OF G-PROTEIN SIGNALING 1 (RGS1) (EARLY RESPONSE PROTEIN 1R20) (B-CELL ACTIVATION PROTEIN BL34).	E160 D172	T167 / CK2
AKALGKR T AKYRW	NPT2_HUMAN	RENAL SODIUM-DEPENDENT PHOSPHATE TRANSPORT PROTEIN 2 (SODIUM/PHOSPHATE COTRANSPORTER 2) (NA(+)/PI COTRANSPORTER 2) (RENAL SODIUM-PHOSPHATE TRANSPORT PROTEIN 2) (RENAL NA+-DEPENDENT PHOSPHATE COTRANSPORTER 2).	A501 W513	T508 / PKC
VNVIPPH T PVRTV	RB_HUMAN	RETINOBLASTOMA-ASSOCIATED PROTEIN (PP110) (P105-RB) (RB).	V366 V378	T373 / p34cdc2
IYI S PLK S PYKIS	RB_HUMAN	RETINOBLASTOMA-ASSOCIATED PROTEIN (PP110) (P105-RB) (RB).	I804 S816	S807 / p34cdc2; S811 / p34cdc2
PINGS P R T PRRGQ	RB_HUMAN	RETINOBLASTOMA-ASSOCIATED PROTEIN (PP110) (P105-RB) (RB).	P245 Q257	S249 / p34cdc2; T252 / p34cdc2
AVIPINGS P R T PR	RB_HUMAN	RETINOBLASTOMA-ASSOCIATED PROTEIN (PP110) (P105-RB) (RB).	A242 R254	S249 / p34cdc2; T252 / p34cdc2
DRT S RD S SPVMRS	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130)	D959 S971	S962 / CDK; S966 / Cdk4; S971 / cdk4

		(RBR-2).		
SKALRISTPLTGV	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130) (RBR-2).	S394 V406	T401 / CDK4
RKSVPTVSKGTVE	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130) (RBR-2).	R96 E108	
VRYIKENSPCVTP	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130) (RBR-2).	V406 P418	S413 / CDK; T417 / CDK
SPVMR SSST LVPV	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130) (RBR-2).	S966 P978	S966 / cdk4; S971 / cdk4; S972 / cdk4; S973 / cdk4; T974 / cdk4
CIAG SPL TPRRVT	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130) (RBR-2).	C635 T647	S639 / cdk4; T642 / CDK
VPTVSKGTVEGNY	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130) (RBR-2).	V99 Y111	
TLYDRY SS PAST	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130) (RBR-2).	T665 T677	S672 / CDK4
LPVPQ PSS APPTP	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130) (RBR-2).	L975 P987	S981 / cdk4; S982 / cdk4; T986 / cdk4
DEIC CIAGS PLTPR	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130) (RBR-2).	D632 R644	S639 / cdk4; T642 / CDK
KGTVEGNYVSLTR	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130) (RBR-2).	K104 R116	
D SPSDGG TPGRMP	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130) (RBR-2).	D687 P699	S688 / CDK; T694 / CDK
SGSSDSR SHQNS P	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130) (RBR-2).	S941 P953	S948 / cdk4; S952 / cdk4
RLFV ENDS PSDGG	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA	R681 G693	S688 / CDK

		RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130) (RBR-2).		
GLGRSITSPTTLY	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130) (RBR-2).	G655 Y667	S662 / CDK
KENS S PCVTPVSTA	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130) (RBR-2).	K410 A422	S413 / CDK; T417 / CDK
ELNKDRTS R RDSSP	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130) (RBR-2).	E955 P967	S962 / CDK; S966 / Cdk4
DSRSHQNSPTELN	RBL2_HUMAN	RETINOBLASTOMA-LIKE PROTEIN 2 (130 KDA RETINOBLASTOMA-ASSOCIATED PROTEIN) (PRB2) (P130) (RBR-2).	D945 N957	S948 / cdk4; S952 / cdk4
AFIAARGSF S FDGSS	RK_HUMAN	RHODOPSIN KINASE (EC 2.7.1.125) (RK).	A14 S26	S21 / autophosphorylation
IQDVGAF S TVKGV	RK_HUMAN	RHODOPSIN KINASE (EC 2.7.1.125) (RK).	I484 V496	S491 / autophosphorylation; T492 / autophosphorylation
ASATVSKTETSQV	OPSD_HUMAN	RHODOPSIN.	A333 V345	S334 / RK; S338 / RK; T340
RQTPVDS P DDSTL	K6B1_HUMAN	RIBOSOMAL PROTEIN S6 KINASE (EC 2.7.1.-) (S6K) (P70-S6K)	R365 L377	T367; S371 / mTOR
DRIDEKLSEILGM	RRPP_HRSVL	RNA POLYMERASE ALPHA SUBUNIT (EC 2.7.7.48) (PHOSPHOPROTEIN P).	D136 M148	S143
FDNNEEESSYSYE	RRPP_HRSVL	RNA POLYMERASE ALPHA SUBUNIT (EC 2.7.7.48) (PHOSPHOPROTEIN P).	F109 E121	S116; S117; S119
NEEESSYSYEEIN	RRPP_HRSVL	RNA POLYMERASE ALPHA SUBUNIT (EC 2.7.7.48) (PHOSPHOPROTEIN P).	N112 N124	S116; S117; S119
LHTLVVASAGPTS	RRPP_HRSVL	RNA POLYMERASE ALPHA SUBUNIT (EC 2.7.7.48) (PHOSPHOPROTEIN P).	L149 S161	S156; S161
VRRLRRLTAREAA	RYR1_HUMAN	RYANODINE RECEPTOR, SKELETAL MUSCLE (SKELETAL MUSCLE CALCIUM RELEASE CHANNEL).	V4317 A4329	T4324
EQGKRNF S KAMSV	RYR1_HUMAN	RYANODINE RECEPTOR, SKELETAL MUSCLE (SKELETAL MUSCLE CALCIUM RELEASE CHANNEL).	E3944 V3956	S3951
KKKTAKISQSAQT	RYR1_HUMAN	RYANODINE RECEPTOR, SKELETAL MUSCLE (SKELETAL MUSCLE CALCIUM RELEASE CHANNEL).	K2836 T2848	S2843 / PKA, PKG
VISDGGDSEQFID	PRPC_HUMAN	SALIVARY ACIDIC PROLINE-RICH PHOSPHOPROTEIN 1/2 (PRP-1/PRP- 3) (PRP-2/PRP-4) (PIF-F/PIF-S) (PROTEIN A/PROTEIN C) [CONTAINS: PEPTIDE P-C].	V31 D43	S38

ELILKPPSPISEA	STN2_HUMAN	SCG10 PROTEIN (SUPERIOR CERVICAL GANGLION-10 PROTEIN), STATHMIN 2.	E55 A67	S62
AAGERRKSQEAQV	STN2_HUMAN	SCG10 PROTEIN (SUPERIOR CERVICAL GANGLION-10 PROTEIN), STATHMIN 2.	A90 V102	S97
KEKMKELSMLSLI	STN2_HUMAN	SCG10 PROTEIN (SUPERIOR CERVICAL GANGLION-10 PROTEIN), STATHMIN 2.	K9 I21	S16
EPHVTRRTPDYFL	P2AB_HUMAN	SERINE/THREONINE PROTEIN PHOSPHATASE 2A, CATALYTIC SUBUNIT, BETA ISOFORM (EC 3.1.3.16) (PP2A-BETA).	E297 L309	T304 Y307
EGNNANYTEYVAT	STK9_HUMAN	SERINE/THREONINE-PROTEIN KINASE 9 (EC 2.7.1.-).	E162 T174	T169 Y171
ETSLMRTLCTGTP	CHK2_HUMAN	SERINE/THREONINE-PROTEIN KINASE CHK2 (EC 2.7.1.-) (CDS1)	E377 T389	T383 / Chk2; T387 / Chk2
FAKTFVVGTPYYMS	NEK2_HUMAN	SERINE/THREONINE-PROTEIN KINASE NEK2 (EC 2.7.1.-) (NIMA-RELATED PROTEIN KINASE 2) (NIMA-LIKE PROTEIN KINASE 1) (HSPK 21).	F172 S184	T175 / autophosphorylation
FACTYVVGTPYYVP	NEK3_HUMAN	SERINE/THREONINE-PROTEIN KINASE NEK3 (EC 2.7.1.-) (NIMA-RELATED PROTEIN KINASE 3) (HSPK 36) (FRAGMENT).	F158 P170	T161 / autophosphorylation
NHCDMASTLIGTP	NEK4_HUMAN	SERINE/THREONINE-PROTEIN KINASE NRK2 (EC 2.7.1.-) (SERINE/THREONINE KINASE 2).	N158 P170	T165 / autophosphorylation
PTAGALYSGSEGD	B296-A	SERUM RESPONSE FACTOR (SRF)	P70 D82	S77 S79
YSGSEGDSSESGEE	B296-C	SERUM RESPONSE FACTOR (SRF)	Y76 E88	S83 / CK2
RGLKRSLSEMEIG	B296-E	SERUM RESPONSE FACTOR (SRF)	R96 G108	S103 / MK2, pp90rsk, CaMKII
ELFDDPSYVNVQN	A052-A	SHC TRANSFORMING PROTEINS 46.8 KD AND 51.7 KD	E420 N432	Y427 / TRK-T3, IR, MAP kinase, Fyn, Lck, Grb2
TDNLLPMSPEEFD	STA1_HUMAN	SIGNAL TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION 1-ALPHA/BETA (TRANSCRIPTION FACTOR ISGF-3 COMPONENTS P91/P84).	T720 D732	S727 / MAP kinase family KIT, Akt
DGPKGTYGTYIKTEL	STA1_HUMAN	SIGNAL TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION 1-ALPHA/BETA (TRANSCRIPTION FACTOR ISGF-3 COMPONENTS P91/P84).	D694 L706	Y701 / JAK1, JAK2, TYK2, EGFR, Lck
NTIDLPMSPRALD	STA3_HUMAN	SIGNAL TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION 3 (ACUTE-PHASE RESPONSE FACTOR).	N720 D732	S727 / PKC delta, JNK1, ERK1, ERK2
DPGSAAPYLKTKF	STA3_HUMAN	SIGNAL TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION 3 (ACUTE-PHASE RESPONSE FACTOR).	D698 F710	Y705 / JAK1, c-Src
PSDLLPMSPSVYA	STA4_HUMAN	SIGNAL TRANSDUCER AND ACTIVATOR OF	P714 A726	S721/ IL-12, MAP2K6,

		TRANSCRIPTION 4.		MAPK14
TERGDKGYVPSVF	STA4_HUMAN	SIGNAL TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION 4.	T686 F698	Y693 / JAK, MAP2K6, STAT4, IL-12
DSLDSRLSPAGL	STA5_HUMAN	SIGNAL TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION 5A.	D773 L785	S780 / IL 2
MGKDGRGYVPATI	STA6_HUMAN	SIGNAL TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION 6 (IL-4 STAT).	M634 I646	Y641 / IL 4, JAK
SKEKIKQSSSSEC	CIN7_HUMAN	SODIUM CHANNEL PROTEIN, CARDIAC AND SKELETAL MUSCLE ALPHA-SUBUNIT.	S862 C874	S869 / PKA
TQNVPKDTMDHVN	CIN7_HUMAN	SODIUM CHANNEL PROTEIN, CARDIAC AND SKELETAL MUSCLE ALPHA-SUBUNIT.	T770 N782	T777 / PKA
QIEMKKRSPISTD	CIN7_HUMAN	SODIUM CHANNEL PROTEIN, CARDIAC AND SKELETAL MUSCLE ALPHA-SUBUNIT.	Q435 D447	S442 / PKA
KNGCRRGSSLGQI	CIN7_HUMAN	SODIUM CHANNEL PROTEIN, CARDIAC AND SKELETAL MUSCLE ALPHA-SUBUNIT.	K898 I910	S905 / PKA
DQARKAVSMHEVN	NAC1_HUMAN	SODIUM/CALCIUM EXCHANGER 1 (NA+/CA2+-EXCHANGE PROTEIN 1).	D385 N397	S392
VLCLRKGSAGAKDA	SSR5_HUMAN	SOMATOSTATIN RECEPTOR TYPE 5 (SS5R).	V318 A330	S325 / PKA
EYTKEDGSKRIGM	SPIH_HUMAN	SPINDLIN HOMOLOG (PROTEIN DXF34).	E189 M201	S196
KELEKRASGQAFE	STN1_HUMAN	STATHMIN (PHOSPHOPROTEIN P19) (PP19) (ONCOPROTEIN 18) (OP18) (LEUKEMIA-ASSOCIATED PHOSPHOPROTEIN P18) (PP17) (PROSOLIN) (METABLASTIN) (PR22 PROTEIN).	K8 E20	S15 / Ca2+/calmodulin-dependent kinase-Gr, PKA
SVPEFPLSPPKKK	STN1_HUMAN	STATHMIN (PHOSPHOPROTEIN P19) (PP19) (ONCOPROTEIN 18) (OP18) (LEUKEMIA-ASSOCIATED PHOSPHOPROTEIN P18) (PP17) (PROSOLIN) (METABLASTIN) (PR22 PROTEIN).	S30 K42	S37 / cdc2, p34cdc2
QAFELILSPRSKE	STN1_HUMAN	STATHMIN (PHOSPHOPROTEIN P19) (PP19) (ONCOPROTEIN 18) (OP18) (LEUKEMIA-ASSOCIATED PHOSPHOPROTEIN P18) (PP17) (PROSOLIN) (METABLASTIN) (PR22 PROTEIN).	Q17 E29	S24 / cdc2, MAPK
LRAQRASSNVFSN	MLR5_HUMAN	SUPERFAST MYOSIN REGULATORY LIGHT CHAIN 2 (MYOSIN REGULATORY LIGHT CHAIN 5).	L14 N26	S21
AGPTRQASQAGPV	SYN1_HUMAN	SYNAPSIN I (BRAIN PROTEIN 4.1).	A598 V610	S605 / CaMK2
PQATRQTSVSGPA	SYN1_HUMAN	SYNAPSIN I (BRAIN PROTEIN 4.1).	P561 A573	S568 / CaMK2
NYLRRRLSDSNFM	SYN1_HUMAN	SYNAPSIN I (BRAIN PROTEIN 4.1).	N2 M14	S9 / CaMK1, PKA

ITKALGISYGRKK	B105-A	TAT PROTEIN (TRANSACTIVATING REGULATORY PROTEIN)	I39 K51	S46 / PKC
GVRQSRASDKQTL	B054-B	T-CELL SURFACE GLYCOPROTEIN CD3 GAMMA CHAIN (T3 GAMMA CHAIN)	G141 L153	S145; S148 / PKC
GQDGVRQSRASDK	B054-A	T-CELL SURFACE GLYCOPROTEIN CD3 GAMMA CHAIN (T3 GAMMA CHAIN)	G138 K150	S145; S148 / PKC
KDKMAEAYSEIGM	A057-B	T-CELL SURFACE GLYCOPROTEIN CD3 ZETA CHAIN	K116 M128	Y123 / Lck, Fyn
STATKDTYDALHM	CD3Z_HUMAN	T-CELL SURFACE GLYCOPROTEIN CD3 ZETA CHAIN (T-CELL RECEPTOR T3 ZETA CHAIN).	S146 M158	Y153
GQSWKENSPLNVS	TF_HUMAN	TISSUE FACTOR (TF) (COAGULATION FACTOR III(THROMBOPLASTIN) (CD142 ANTIGEN)	G283 S295	S285 / PKC; S290 / PKC
VGLLLKLASPELER	B006-B	TRANSCRIPTION FACTOR AP-1 (PROTO-ONCOGENE C-JUN)	V66 R78	S73 / p34cdc2, JNK1, MAPK8
KNSDLLTSPDVGL	B006-A	TRANSCRIPTION FACTOR AP-1 (PROTO-ONCOGENE C-JUN)	K56 L68	S63 / p34cdc2, JNK1, MAPK8
VPEMPGETPPLSP	B006-E	TRANSCRIPTION FACTOR AP-1 (PROTO-ONCOGENE C-JUN)	V232 P244	T239 / GSK3; S243 / ERT PK, GSK3
PGETPPLSPIDME	B006-C	TRANSCRIPTION FACTOR AP-1 (PROTO-ONCOGENE C-JUN)	P236 E248	T239 / GSK3; S243 / ERT PK, GSK3
LSPIDMESQERIK	B006-D	TRANSCRIPTION FACTOR AP-1 (PROTO-ONCOGENE C-JUN)	L242 K254	S243 / ERT PK, GSK3; S249 / DNA-PK, GSK3, CKII
GFIDQNLSPTKGN	TDP2_HUMAN	TRANSCRIPTION FACTOR DP-2 (E2F DIMERIZATION PARTNER 2).	G17 N29	S24 / CDK2
FPVSNTNSPTKIL	TDP2_HUMAN	TRANSCRIPTION FACTOR DP-2 (E2F DIMERIZATION PARTNER 2).	F35 L47	S42 / CDK2
PRASPAHSPRENG	TLE1_HUMAN	TRANSDUCIN-LIKE ENHANCER PROTEIN 1 (ESG1).	P260 G272	S263 / CDC2; S267 / CDC2
DPSSPRASPAHSP	TLE1_HUMAN	TRANSDUCIN-LIKE ENHANCER PROTEIN 1 (ESG1).	D256 P268	S259 / CDC2; S263 / CDC2; S267 / CDC2
VSNEDPSSPRASP	TLE1_HUMAN	TRANSDUCIN-LIKE ENHANCER PROTEIN 1 (ESG1).	V252 P264	S259 / CDC2; S263 / CDC2
KDSSHYDSGDGKS	TLE1_HUMAN	TRANSDUCIN-LIKE ENHANCER PROTEIN 1 (ESG1).	K232 S244	S239 / CK2
EPPSPATTPCGKV	TLE2_HUMAN	TRANSDUCIN-LIKE ENHANCER PROTEIN 2 (ESG2).	E246 V258	S249 / CDC2; T253 / CDC2
EPSPGYESDEDKS	TLE2_HUMAN	TRANSDUCIN-LIKE ENHANCER PROTEIN 2 (ESG2).	E221 S233	S228 / CK2
DQPSEPPSPATTP	TLE2_HUMAN	TRANSDUCIN-LIKE ENHANCER PROTEIN 2 (ESG2).	D242 P254	S249 / CDC2; T253 / CDC2
DSLRYDSGDGKS	TLE3_HUMAN	TRANSDUCIN-LIKE ENHANCER PROTEIN 3 (ESG3).	D233 S245	S240 / CK2
PLSYTRFSLARQV	TFR1_HUMAN	TRANSFERRIN RECEPTOR PROTEIN (TR) (ANTIGEN CD71) (T9) (P90).	P17 V29	S24 / PKC

SDTEEQEYEEEQP	TRT1_HUMAN	TROPONIN T, SLOW SKELETAL MUSCLE ISOFORMS.	S1 P13	S1 / CK2
TASSGADY PDELQ	TRY1_HUMAN	TRYPSIN I (EC 3.4.21.4) (CATIONIC TRYPSINOGEN).	T147 Q159	Y154
RKSKRRNSEFEIF	TPH1_HUMAN	TRYPTOPHAN 5-MONOOXYGENASE (EC 1.14.16.4) (TRYPTOPHAN 5-HYDROXYLASE).	R51 F63	S58 / PKA
RFIGRRQSLIEDA	TY3H_HUMAN	TYROSINE 3-MONOOXYGENASE (EC 1.14.16.2) (TYROSINE 3-HYDROXYLASE) (TH).	R64 A76	S71 / PKA
ALRERLSSFTSYE	PTK6_HUMAN	TYROSINE-PROTEIN KINASE 6 (EC 2.7.1.112) (BREAST TUMOR KINASE) (TYROSINE-PROTEIN KINASE BRK).	A436 E448	Y447 / autophosphorylation
RLMTGDTYTAHAG	ABL2_HUMAN	TYROSINE-PROTEIN KINASE ABL2 (EC 2.7.1.112) (TYROSINE KINASE ARG).	R405 G417	Y412 / auto, c-Src; T413
ARIIDSEYTAQEG	BLK_HUMAN	TYROSINE-PROTEIN KINASE BLK (EC 2.7.1.112) (B LYMPHOCYTE KINASE) (P55- BLK).	A381 G393	Y388 / autophosphorylation
KVDNEDIYESRHE	FRK_HUMAN	TYROSINE-PROTEIN KINASE FRK (EC 2.7.1.112) (NUCLEAR TYROSINE PROTEIN KINASE RAK).	K380 E392	Y387 / autophosphorylation
AIETDKEYYTVKD	JAK1_HUMAN	TYROSINE-PROTEIN KINASE JAK1 (EC 2.7.1.112) (JANUS KINASE 1) (JAK-1).	A1015 D1027	Y1022 / JAK 3; Y1023 / JAK 3
LSRGEEVYVKKTM	TIE1_HUMAN	TYROSINE-PROTEIN KINASE RECEPTOR TIE-1 (EC 2.7.1.112).	L1000 M1012	Y1007 / autophosphorylation
KIYSGDYRQGCA	TYO3_HUMAN	TYROSINE-PROTEIN KINASE RECEPTOR TYRO3 (TYROSINE-PROTEIN KINASE RSE) (TYROSINE-PROTEIN KINASE SKY) (TYROSINE-PROTEIN KINASE DTK).	K679 A691	Y686 / autophosphorylation
ALRADENYYKAQT	KSYK_HUMAN	TYROSINE-PROTEIN KINASE SYK (EC 2.7.1.112) (SPLEEN TYROSINE KINASE).	A518 T530	Y525 / autophosphorylation; Y526 / autophosphorylation
RYFLDDQYTSSSG	TEC_HUMAN	TYROSINE-PROTEIN KINASE TEC (EC 2.7.1.112).	R512 G524	Y519 / autophosphorylation
ALGADDSYYTARS	ZA70_HUMAN	TYROSINE-PROTEIN KINASE ZAP-70 (EC 2.7.1.112) (70 KDA ZETA-ASSOCIATED PROTEIN) (SYK-RELATED TYROSINE KINASE).	A485 S497	Y492 / auto, p56lck; Y493 / auto, p56lck
LGADDSYYTARSA	ZA70_HUMAN	TYROSINE-PROTEIN KINASE ZAP-70 (EC 2.7.1.112) (70 KDA ZETA-ASSOCIATED PROTEIN) (SYK-RELATED TYROSINE KINASE).	L486 A498	Y492 / auto, p56lck; Y493 / auto, p56lck
TSMFDDYQGSST	VGR1_HUMAN	VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR 1 (EC 2.7.1.112) (VEGFR-1) (VASCULAR PERMEABILITY FACTOR RECEPTOR) (TYROSINE-PROTEIN KINASE RECEPTOR FLT) (FLT-1)	T1236 T1248	Y1242 / autophosphorylation
DIYKDPDYVRKGS	VGR3_HUMAN	VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR 3 (EC 2.7.1.112) (VEGFR-3) (TYROSINE-PROTEIN KINASE RECEPTOR FLT4).	D1061 S1073	Y1068 / autophosphorylation

GAKLRK V SKQEEA	VASP_HUMAN	VASODILATOR-STIMULATED PHOSPHOPROTEIN (VASP).	G231 A243	S238 / PKA, PKG
LARRRKAT Q VGEK	VASP_HUMAN	VASODILATOR-STIMULATED PHOSPHOPROTEIN (VASP).	L270 K282	T277 / PKA, PKG
EHIERR V SNAGGP	VASP_HUMAN	VASODILATOR-STIMULATED PHOSPHOPROTEIN (VASP).	E149 P161	S156 / PKA, PKG
YEEKKK K TTTIAV	VGLN_HUMAN	VIGILIN (HIGH DENSITY LIPOPROTEIN BINDING PROTEIN) (HDL-BINDING PROTEIN).	Y288 V300	T295 T296
EEKKK K TTTIAVE	VGLN_HUMAN	VIGILIN (HIGH DENSITY LIPOPROTEIN BINDING PROTEIN) (HDL-BINDING PROTEIN).	E289 E301	T295 T296
GVRL L QDSVDFSL	VIME_HUMAN	VIMENTIN.	G75 L87	S82 / CaMK2
KSFLDS G YRILGA	VINC_HUMAN	VINCULIN.	K814 A826	Y821
NQNSRR P SRATWL	VTNC_HUMAN	VITRONECTIN (SERUM SPREADING FACTOR) (S-PROTEIN) [CONTAINS: SOMATOMEDIN B].	N390 L402	S397 / PKA
PKRGFLR S SASLGR	CCAC_HUMAN	VOLTAGE-DEPENDENT L-TYPE CALCIUM CHANNEL ALPHA-1C SUBUNIT (CALCIUM CHANNEL, L TYPE, ALPHA-1 POLYPEPTIDE, ISOFORM 1, CARDIAC MUSCLE).	P1966 R1978	S1973 / PKA
ASLGRR A SFHLEC	CCAC_HUMAN	VOLTAGE-DEPENDENT L-TYPE CALCIUM CHANNEL ALPHA-1C SUBUNIT (CALCIUM CHANNEL, L TYPE, ALPHA-1 POLYPEPTIDE, ISOFORM 1, CARDIAC MUSCLE).	A1974 C1986	S1981 / PKA
EKKRR K MSKGLPD	CCAS_HUMAN	VOLTAGE-DEPENDENT L-TYPE CALCIUM CHANNEL ALPHA-1S SUBUNIT (CALCIUM CHANNEL, L TYPE, ALPHA-1 POLYPEPTIDE, ISOFORM 3, SKELETAL MUSCLE).	E680 D692	S687 / PKA
EYLTRD S SILGPH	CCAE_HUMAN	VOLTAGE-DEPENDENT R-TYPE CALCIUM CHANNEL ALPHA-1E SUBUNIT (CALCIUM CHANNEL, L TYPE, ALPHA-1 POLYPEPTIDE, ISOFORM 6) (BRAIN CALCIUM CHANNEL II) (BII).	E1726 H1738	S1733 / PKA
DSDL S RRSSSTMS	CIK1_HUMAN	VOLTAGE-GATED POTASSIUM CHANNEL PROTEIN KV1.1 (HUKI) (HBK1).	D438 S450	S445 / PKA
LGQTL K ASMRELG	CIK1_HUMAN	VOLTAGE-GATED POTASSIUM CHANNEL PROTEIN KV1.1 (HUKI) (HBK1).	L315 G327	S322 / PKA
PDL K SR S ASTIS	CIK2_HUMAN	VOLTAGE-GATED POTASSIUM CHANNEL PROTEIN KV1.2 (RBK2) (HBK5) (NGK1) (MK2) (HUKIV).	P442 S454	S449 / PKA
EELRKAR S NSTLS	CIK3_HUMAN	VOLTAGE-GATED POTASSIUM CHANNEL PROTEIN KV1.3 (HPCN3) (HGK5) (HUKIII) (HLK3).	E461 S473	S468 / PKA
REEEATR S EKKKA	CIK4_HUMAN	VOLTAGE-GATED POTASSIUM CHANNEL PROTEIN KV1.4 (HK1) (HPCN2) (HBK4) (HUKII).	R83 A95	S90 / PKA
NLL K KFR S STSSS	CIK4_HUMAN	VOLTAGE-GATED POTASSIUM CHANNEL PROTEIN KV1.4 (HK1) (HPCN2) (HBK4) (HUKII).	N592 S604	S599 / PKA
RGVQR K VSGSRGS	CIK5_HUMAN	VOLTAGE-GATED POTASSIUM CHANNEL PROTEIN KV1.5	R550 S562	S557 / PKA

		(HK2) (HPCN1).		
ANRERRR P SYLPTP	CIK6_HUMAN	VOLTAGE-GATED POTASSIUM CHANNEL PROTEIN KV1.6 (HBK2).	A504 P516	S511 / PKA
KWTKRTLSETSSS	KCB1_HUMAN	VOLTAGE-GATED POTASSIUM CHANNEL PROTEIN KV2.1 (DHK1).	K489 S501	
EEFGSS S SPVKSP	WEE1_HUMAN	WEE1-LIKE PROTEIN KINASE (EC 2.7.1.112).	E116 P128	S123 / cdc2
YFLGSS F SPVRCG	WEE1_HUMAN	WEE1-LIKE PROTEIN KINASE (EC 2.7.1.112).	Y132 G144	S139 / cdc2
SFGLSAMS P TKAA	Z145_HUMAN	ZINC FINGER PROTEIN PLZF (PROMYELOCYTIC LEUKEMIA ZINC FINGER PROTEIN) (ZINC FINGER PROTEIN 145).	S190 A202	S197 / PDPK
HYTLDFL S PKTFQ	Z145_HUMAN	ZINC FINGER PROTEIN PLZF (PROMYELOCYTIC LEUKEMIA ZINC FINGER PROTEIN) (ZINC FINGER PROTEIN 145).	H69 Q81	S76 / PDPK
RGKEGPG T PTRSS	Z145_HUMAN	ZINC FINGER PROTEIN PLZF (PROMYELOCYTIC LEUKEMIA ZINC FINGER PROTEIN) (ZINC FINGER PROTEIN 145).	R275 S287	T282 / PDPK
DEVPSQD S PGAAE	Z145_HUMAN	ZINC FINGER PROTEIN PLZF (PROMYELOCYTIC LEUKEMIA ZINC FINGER PROTEIN) (ZINC FINGER PROTEIN 145).	D249 E261	S256 / PDPK
PGPMVDQ S PSVST	Z145_HUMAN	ZINC FINGER PROTEIN PLZF (PROMYELOCYTIC LEUKEMIA ZINC FINGER PROTEIN) (ZINC FINGER PROTEIN 145).	P177 T189	S184 / PDPK
LRTHNGA S PYQCT	Z145_HUMAN	ZINC FINGER PROTEIN PLZF (PROMYELOCYTIC LEUKEMIA ZINC FINGER PROTEIN) (ZINC FINGER PROTEIN 145).	L621 T633	S628 / PDPK
KEKPDSSL P ETSK	XRC4_HUMAN (Q13426-2)	DNA-repair protein XRCC4, Splice isoform 2 (X-ray repair cross-complementing protein 4)	K296 K308	
VLLLQDSSGDYSL	KPCM_HUMAN	Protein kinase C, mu type (EC 2.7.1.-) (nPKC-mu) (Protein kinase D)	V62 L74	
S QGRNC S TND S LL	B204-B	beta-2 adrenergic receptor	S401 L413	S401 / GRK2, GRK5; S407 / GRK2, GRK5; S411 / GRK5
SVEPPL S Q E T F S D	P53_HUMAN	Cellular tumor antigen p53 (Tumor suppressor p53) (Phosphoprotein p53) (Antigen NY-CO-13)	S9 D21	S15 / PRPK; T18 / VRK1, CK1 delta; S20 / Plk3, Chk2
GQLVD S IAK T RDA	MPK4_HUMAN	Dual specificity mitogen-activated protein kinase kinase 4 (EC 2.7.1.-) (MAP kinase kinase 4) (JNK activating kinase 1) (c-Jun N-terminal kinase kinase 1) (JNKK) (SAPK/ERK kinase 1) (SEK1)	G252 A264	S257 / MAP2K4; T261 / MAP2K4
GYLVD S VAK T IDA	MPK6_HUMAN	Dual specificity mitogen-activated protein kinase kinase 6 (EC 2.7.1.-) (MAP kinase kinase 6) (MAPKK 6) (MAPK/ERK kinase 6) (SAPKK3)	G202 A214	S207 T211
Y NG Y SSNGNT G E	B2AR_HUMAN	Beta-2 adrenergic receptor	Y350 E362	Y350 / IR; Y354 / IR; S355 / beta ARK; S356 / beta ARK
IYDALSYSSPSDS	PVR2_HUMAN	Poliovirus receptor related protein 2 precursor (Herpes virus entry mediator B) (HveB) (Nectin 2) (CD112 antigen)	I512 S524	

DSDESSDDSDSE	CD45_HUMAN	Leukocyte common antigen precursor (EC 3.1.3.48) (L-CA) (CD45 antigen) (T200)	D998 E1010	S999 / CK2 alpha 1, CK 2 alpha 2; S1002 / CK2 alpha 1, CK 2 alpha 2; S1003 / CK2 alpha 1, CK 2 alpha 2; S1007 / PKC
LRPSFPNRWSSDE	BMRB_HUMAN	Bone morphogenetic protein receptor type IB precursor (EC 2.7.1.37)	L449 E461	
GFDRLLSTEGSDQE	AMD_HUMAN	Peptidyl-glycine alpha-amidating monooxygenase precursor (EC 1.14.17.3) (PAM)	G937 E949	S946 / P-CIP2
ESTTSDSDQNFDY	CAD8_HUMAN	Cadherin-8 precursor	E763 Y775	
GEYRSLESDNEEK	CAML_HUMAN	Neural cell adhesion molecule L1 precursor (N-CAM L1) (CD171 antigen)	G1174 K1186	
SSQTSQDSGNYSN	INR1_HUMAN	Interferon-alpha/beta receptor alpha chain precursor (IFN-alpha-REC)	S528 N540	
ESLSSLGTDSSDS	CAD5_HUMAN	Vascular endothelial-cadherin precursor (VE-cadherin) (Cadherin-5) (7B4 antigen) (CD144 antigen)	E741 S753	
KMLKKRSPLTTGV	CTL4_HUMAN	Cytotoxic T-lymphocyte protein 4 precursor (Cytotoxic T-lymphocyte-associated antigen 4) (CTLA-4) (CD152 antigen)	K188 V200	
RRKRKPSTSDSD	TP2A_HUMAN	DNA topoisomerase II, alpha isozyme (EC 5.99.1.3)	R1463 D1475	S1469 / CK2
SVYESPYSDPEEL	ZA70_HUMAN	Tyrosine-protein kinase ZAP-70 (EC 2.7.1.112) (70 kDa zeta-associated protein) (Syk-related tyrosine kinase)	S313 L325	Y315 / autophosphorylation; Y319 / autophosphorylation
EYQGDQSDTEDEV	YL1_HUMAN	YL-1 protein (Transcription factor-like 1)	E45 V57	S51 / CK2
TAGALYSGSEGDS	B296-A	serum response factor (SRF)	T71 S83	S77 S79; S83 / CK2
GGFTEESGDDEYQ	YL1_HUMAN	YL-1 protein (Transcription factor-like 1)	G35 Q47	S41 / CK2
GALYSGSEGDS	B296-A	serum response factor (SRF)	G73 S85	S77 S79; S83 / CK2; S85
SGSEGDSESGEEE	B296-A	serum response factor (SRF)	S77 E89	S77 S79; S83 / CK2; S85
IKVEPASPPYYSE	PPAT_HUMAN	Peroxisome proliferator activated receptor gamma (PPAR-gamma)	I106 E118	S112 / ERK2, JNK
PDHYRYSDTTSD	PTEN_HUMAN	Phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase PTEN (EC 3.1.3.67) (Mutated in multiple advanced cancers 1)	P374 D386	S380 / PKB; T382 / CK2; T383 / CK2; S385 / CK2, PKB
VEEEDSSESEESA				
RSSLKAYGNGYSS	B2AR_HUMAN	Beta-2 adrenergic receptor	R344 S356	S345 / PKC, PKA; S346 / PKC, PKA; Y350 / IR; Y354 / IR; S355 / beta ARK; S356 / beta ARK

SGEDTLSDSDDED				
KAYGNGYSSNGNT	B2AR_HUMAN	Beta-2 adrenergic receptor	K348 T360	Y350 / IR; Y354 / IR; S355 / beta ARK; S356 / beta ARK
DSSHYDSDGDKSD	TLE1_HUMAN	Transducin-like enhancer protein 1 (ESG1)	D233 D245	S239 / CK2
SLSRYDSDGDKSD	TLE3_HUMAN	Transducin-like enhancer protein 3 (ESG3)	S234 D246	S240 / CK2
YFLDDQYTSSSGA	TEC_HUMAN	Tyrosine-protein kinase Tec (EC 2.7.1.112)	Y513 A525	Y519 / autophosphorylation
LSAEDSPSSPED	NRF1_HUMAN	Nuclear respiratory factor-1 (NRF-1) (Alpha palindromic binding protein) (Alpha-pal)	L38 D50	S39 / CK2; S44 / CK2; S46 / CK2; S47 / CK2
DKDGNGYISAAEL	B227-A	Calmodulin	D93 L105	Y99 / INSR; S101 / CK2
LKEQTGSDDDEDES	DCOR_HUMAN	Ornithine decarboxylase (EC 4.1.1.17) (ODC)	L297 S309	S303 / CK2
PSGPYESDEDKSD	TLE2_HUMAN	Transducin-like enhancer protein 2 (ESG2)	P222 D234	S228 / CK2
PLNVSFTRNYDL	MYC_HUMAN	Myc proto-oncogene protein (c-myc)	P2 L14	T8 / c-RAF
QRHLDISRELNDK	LGN_HUMAN	Mosaic protein LGN	Q119 K131	S125 / PKG
EESQYDSGIESLR	IKBE_HUMAN	NF-kappaB inhibitor epsilon (NF-kappa-BIE) (I-kappa-B-epsilon) (IkappaBepsilon) (IKB-epsilon) (IKBE)	E12 R24	S18 S22
SAASFEYTILDPS	EPOR_HUMAN	Erythropoietin receptor precursor (EPO-R)	S420 S432	Y426 / Jak2
MGPRAASPMNHSV	CBP_HUMAN	CREB-binding protein (EC 2.3.1.48)	M739 V751	
FHLMAPSEEDHSI	IBP1_HUMAN	Insulin-like growth factor binding protein 1 precursor (IGFBP-1) (IBP-1) (IGF-binding protein 1) (Placental protein 12) (PP12)	F138 I150	S144
AFLLESTMNEYR	GLK4_HUMAN	Glutamate receptor, ionotropic kainate 4 precursor (Glutamate receptor KA-1) (KA1) (Excitatory amino acid receptor 1) (EAA1)	A719 R731	
SQGRNCSTNDSL	B204-B	Beta-2 adrenergic receptor	S401 L413	S401 / GRK2, GRK5; S407 / GRK2, GRK5; S411 / GRK5
FPQKIMTPADLSI	PIA1_HUMAN	Protein inhibitor of activated STAT protein 1 (Gu binding protein) (GBP) (RNA helicase II binding protein) (DEAD/H box-binding protein 1)	F65 I77	
YLPLSLDDSDSLG	DCX_HUMAN	Doublecortin (Lissencephalin-X) (Lis-X) (Doublin)	Y387 G399	S391 / CK2; S397 / CK2
LADLTRSLSDNIN	DCX_HUMAN	Doublecortin (Lissencephalin-X) (Lis-X) (Doublin)	L126 N138	S132 / CK2
LTSNQEYLDLSMP	FGR1_HUMAN	Basic fibroblast growth factor receptor 1 precursor (EC 2.7.1.112) (FGFR-1) (bFGF-R) (Fms-like tyrosine kinase-2) (c-fgr)	L760 P772	Y766 / FGFR1