



STK PamChip array
(article code 87102)

No	ID	Sequence	Ser	Thr	Uniprot Accession	Description
1	pTY3H_64_78	RFIGRRQ(pS)LIEDARK	[71]	[]	P07101	Tyrosine 3-monooxygenase (EC 1.14.16.2) (Tyrosine 3-hydroxylase) (TH).
2	ATF2_47_59	VADQTPTRFLK	[]	[51, 53, 55]	P15336	Cyclic AMP-dependent transcription factor ATF-2 (Activating transcription factor 2) (cAMP response element-binding protein CRE-BP1) (HB16).
3	CDN1A_139_151	GRKRRQTSMTDFY	[146]	[145, 148]	P38936	Cyclin-dependent kinase inhibitor 1 (p21) (CDK-interacting protein 1) (Melanoma differentiation-associated protein 6) (MDA-6).
4	FIBA_569_581	EFPSRGKSSYSK	[572, 576, 577, 578, 580]	[]	P02671	Fibrinogen alpha chain precursor [Contains: Fibrinopeptide A].
5	IKKB_173_185_C179A	LDQGLSATSFVGT	[177, 181]	[180, 185]	O14920	Inhibitor of nuclear factor kappa-B kinase subunit beta (I-kappa-B-kinase beta) (IKKB) (IKK-beta) (IKK-B) (EC=2.7.11.10) (I-kappa-B kinase 2) (IKK2) (Nuclear factor NF-kappa-B inhibitor kinase beta) (NFKBKB).
6	LIPS_944_956	GFHPRRSQGATQ	[950, 951]	[955]	Q05469	Hormone-sensitive lipase (HSL) (EC=3.1.1.79).
7	MYBB_513_525	DNTPHTPTPFKNA	[]	[515, 518, 520]	P10244	Myb-related protein B (B-Myb).
8	PLEK_106_118	GQKFARKSTRRSI	[113, 117]	[114]	P08567	Pleckstrin (Platelet p47 protein).
9	RBL2_632_644	DEICIAGSPLTPR	[639]	[642]	Q08999	Retinoblastoma-like protein 2 (130 kDa retinoblastoma-associated protein) (p130) (PRB2) (RBR-2).
10	VIGLN_289_301	EEKKKKTTTIAVE	[]	[295, 296, 297]	Q00341	Vigilin (High density lipoprotein-binding protein) (HDL-binding protein).
11	GRIK2_708_720	FMSSRRQSVLVKS	[710, 711, 715, 720]	[]	Q13002	Glutamate receptor, ionotropic kainate 2 precursor (Glutamate receptor 6) (GluR-6) (GluR6) (Excitatory amino acid receptor 4) (EAA4).
12	RADI_559_569	RDKYKTLRQIR	[]	[564]	P35241	Radixin.
13	ACM1_421_433	CNKAFRDTFRLLL	[]	[428]	P11229	Muscarinic acetylcholine receptor M1.
14	ATM_1972_1984	KRSLAFEEGSQST	[1974, 1981, 1983]	[1984]	Q13315	Serine-protein kinase ATM (EC=2.7.11.1) (Ataxia telangiectasia mutated) (A-T, mutated).
15	CDN1B_151_163	IRKRATDDSSSTQ	[160, 161]	[157, 162]	P46527	Cyclin-dependent kinase inhibitor 1B (Cyclin-dependent kinase inhibitor p27) (p27Kip1).
16	FOXO3_25_37	QSRPRSCWPLQR	[26, 30]	[32]	O43524	Forkhead box protein O3 (Forkhead in rhabdomyosarcoma-like 1) (AF6q21 protein).
17	IKKB_686_698	QLMSQPSTASNSL	[689, 692, 695, 697]	[693]	O14920	Inhibitor of nuclear factor kappa-B kinase subunit beta (I-kappa-B-kinase beta) (IKKB) (IKK-beta) (IKK-B) (EC=2.7.11.10) (I-kappa-B kinase 2) (IKK2) (Nuclear factor NF-kappa-B inhibitor kinase beta) (NFKBKB).
18	LMNA_192_204	DAENRLQTMKEEL	[]	[199]	P02545	Lamin-A/C (70 kDa lamin) (Renal carcinoma antigen NY-REN-32).
19	MYC_51_63	KKFELLPTPLSP	[62]	[58]	P01106	Myc proto-oncogene protein (c-Myc) (Transcription factor p64).
20	PP2AB_297_309	EPHVTRTRPDYFL	[]	[301, 304]	P62714	Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform (EC 3.1.3.16) (PP2A-beta).
21	RBL2_655_667	GLGRSITPTTLY	[659, 662]	[661, 664, 665]	Q08999	Retinoblastoma-like protein 2 (130 kDa retinoblastoma-associated protein) (p130) (PRB2) (RBR-2).
22	YAP1_121_133	QHVRHAHSSPASLQ	[127, 128, 131]	[]	P46937	65 kDa Yes-associated protein (YAP65).
23	KAP2_92_104	SRFNRRVSCAET	[92, 99]	[104]	P13861	cAMP-dependent protein kinase type II-alpha regulatory subunit.
24	RS6_228_240	IAKRRRLSSLRAS	[235, 236, 240]	[]	P62753	40S ribosomal protein S6 (Phosphoprotein NP33).
25	ACM1_444_456	KIPKRPGSVHRTP	[451]	[455]	P11229	Muscarinic acetylcholine receptor M1.
26	BAD_112_124	RELRRMSDEFVDS	[118, 124]	[]	Q92934	Bcl2 antagonist of cell death (BAD) (Bcl-2-binding component 6) (Bcl-XL/Bcl-2-associated death promoter) (Bcl-2-like 8 protein).
27	CENPA_1_14	MGPRRRSRKPEAPR	[7]	[]	P49450	Histone H3-like centromeric protein A (Centromere protein A) (CENP-A) (Centromere autoantigen A).
28	FRAP_2443_2455	RTRTDSYSAGQSV	[2448, 2450, 2454]	[2444, 2446]	P42345	FKBP12-rapamycin complex-associated protein (FK506-binding protein 12-rapamycin complex-associated protein 1) (Rapamycin target protein) (RAPT1) (Mammalian target of rapamycin) (mTOR).
29	K6PL_766_778	LEHVTRRTLSMDK	[775]	[770, 773]	P17858	6-phosphofructokinase, liver type (EC 2.7.1.11) (Phosphofructokinase 1) (Phosphohexokinase) (Phosphofructo-1-kinase isozyme B) (PFK-B).
30	LMNB1_16_28	GGPTTPLSPTRLS	[23, 28]	[19, 20, 25]	P20700	Lamin-B1.
31	NEK2_172_184	FAKTFVGTPTYMS	[184]	[175, 179]	P51955	Serine/threonine-protein kinase Nek2 (EC 2.7.11.1) (NIMA-related protein kinase 2) (NIMA-like protein kinase 1) (HSPK 21).
32	PPR1A_28_40	QIRRRRPTPATLV	[]	[35, 38]	Q13522	Protein phosphatase 1 regulatory subunit 1A (Protein phosphatase inhibitor 1) (IPP-1) (I-1).
33	RBL2_959_971	DRTSRDSSPVMRS	[962, 965, 966, 971]	[961]	Q08999	Retinoblastoma-like protein 2 (130 kDa retinoblastoma-associated protein) (p130) (PRB2) (RBR-2).
34	ADRB2_338_350	ELLCLRSSLKAY	[345, 346]	[]	P07550	Beta-2 adrenergic receptor (Beta-2 adrenoceptor) (Beta-2 adrenoceptor).


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35	KCC2G_278_289	VASMMHRQETVE	[280]	[287]	Q13555	Calcium/calmodulin-dependent protein kinase type II gamma chain(EC 2.7.11.17) (CaM-kinase II gamma chain) (CaM kinase II subunitgamma) (CaMK-II subunit gamma).
36	RYR1_4317_4329	VRRRLRLTAREAA	[]	[4324]	P21817	Ryanodine receptor 1 (Skeletal muscle-type ryanodine receptor) (RyR1)(RyR-1) (Skeletal muscle calcium release channel).
37	ACM4_456_468	CNATFKKTRHLL	[]	[459, 463]	P08173	Muscarinic acetylcholine receptor M4.
38	BAD_69_81	IRSRHSSYPAGTE	[71, 74, 75]	[80]	Q92934	Bcl2 antagonist of cell death (BAD) (Bcl-2-binding component 6) (Bcl-XL/Bcl-2-associated death promoter) (Bcl-2-like 8 protein).
39	COF1_17_29	DMKVRKSSTPEEV	[23, 24]	[25]	P23528	Cofilin-1 (Cofilin, non-muscle isoform) (18 kDa phosphoprotein) (p18).
40	FRAP_2475_2487	VPESIHSGFDGL	[2478, 2481]	[]	P42345	FKBP12-rapamycin complex-associated protein (FK506-binding protein 12-rapamycin complex-associated protein 1) (Rapamycin target protein) (RAPT1) (Mammalian target of rapamycin) (mTOR).
41	KAPCG_192_206	VKGRTWTLCGTPEYL	[]	[196, 198, 202]	P22612	cAMP-dependent protein kinase catalytic subunit gamma (EC 2.7.11.11)(PKA C-gamma).
42	MARCS_152_164	KKKKKRFSFKKSF	[159, 163]	[]	P29966	Myristoylated alanine-rich C-kinase substrate (MARCKS) (Protein kinaseC substrate, 80 kDa protein, light chain) (PKCSL) (80K-L protein).
43	NEK3_158_170	FACTYVGTPTYVVP	[]	[161, 165]	P51956	Serine/threonine-protein kinase Nek3 (EC 2.7.11.1) (NimA-relatedprotein kinase 3) (HSPK 36).
44	PRKDC_2618_2630	TRTQEGSLSARWP	[2624, 2626]	[2618, 2620]	P78527	DNA-dependent protein kinase catalytic subunit (DNA-PK catalytic subunit) (DNA-PKcs) (EC=2.7.11.1) (DNPK1) (p460).
45	REL_260_272	KMQLRRPSDQEVS	[267, 272]	[]	Q04864	C-Rel proto-oncogene protein (C-Rel protein).
46	ART_025_CXGLRRWSLGGGLRRWS	GLRRWSLGGGLRRWSL	NA	NA	NA	NA
47	KCNA1_438_450	DSDSLRRSSSTMS	[439, 442, 445, 446, 447, 450]	[448]	Q09470	Potassium voltage-gated channel subfamily A member 1 (Voltage-gatedpotassium channel subunit Kv1.1) (HUKI) (HBK1).
48	SCN7A_898_910	KNGCRRGSSLGQI	[905, 906]	[]	Q01118	Sodium channel protein type 7 subunit alpha (Sodium channel proteintype VII subunit alpha) (Putative voltage-gated sodium channel subunitalpha Nax) (Sodium channel protein cardiac and skeletal muscle subunitalpha).
49	ACM5_494_506	CYALCNRTFRKTF	[]	[501, 505]	P08912	Muscarinic acetylcholine receptor M5.
50	BAD_93_105	FRGRSRAPPNLW	[97, 99]	[]	Q92934	Bcl2 antagonist of cell death (BAD) (Bcl-2-binding component 6) (Bcl-XL/Bcl-2-associated death promoter) (Bcl-2-like 8 protein).
51	CSF1R_701_713	NIHLEKKYVRRDS	[713]	[]	P07333	Macrophage colony-stimulating factor 1 receptor precursor(EC 2.7.10.1) (CSF-1-R) (Fms proto-oncogene) (c-fms) (CD115 antigen).
52	GPR6_349_361	QSKVPFRSRSPSE	[350, 356, 358, 360]	[]	P46095	Sphingosine 1-phosphate receptor GPR6 (G-protein coupled receptor 6).
53	KCNA2_442_454	PDLKRSRSTIS	[447, 449, 451, 454]	[452]	P16389	Potassium voltage-gated channel subfamily A member 2 (Voltage-gatedpotassium channel subunit Kv1.2) (HBK5) (NGK1) (HUKIV).
54	MARCS_160_172	FKKSFKLSGFSFK	[163, 167, 170]	[]	P29966	Myristoylated alanine-rich C-kinase substrate (MARCKS) (Protein kinaseC substrate, 80 kDa protein, light chain) (PKCSL) (80K-L protein).
55	NMDZ1_890_902	SFKRRRSKDTST	[890, 896, 897, 901]	[900, 902]	Q05586	Glutamate [NMDA] receptor subunit zeta-1 precursor (N-methyl-D-aspartate receptor subunit NR1).
56	PTK6_436_448	ALRERLSSFTSYE	[442, 443, 446]	[445]	Q13882	Tyrosine-protein kinase 6 (EC 2.7.10.2) (Breast tumor kinase)(Tyrosine-protein kinase BRK).
57	SRC_413_425	LIEDNEYTARQGA	[]	[420]	P12931	Proto-oncogene tyrosine-protein kinase Src (EC 2.7.10.2) (p60-Src) (c-Src) (pp60c-src).
58	CAC1C_1974_1986	ASLGRRASFHLEC	[1975, 1981]	[]	Q13936	Voltage-dependent L-type calcium channel subunit alpha-1C (Voltage-gated calcium channel subunit alpha Cav1.2) (Calcium channel, L type,alpha-1 polypeptide, isoform 1, cardiac muscle).
59	KPB1_1011_1023	QVEFRRLSISAES	[1018, 1020, 1023]	[]	P46020	Phosphorylase b kinase regulatory subunit alpha, skeletal muscleisoform (Phosphorylase kinase alpha M subunit).
60	SRC8_CHICK_423_435	KTPSSPVYQDAVS	[426, 427, 435]	[424]	Q01406	Src substrate protein p85 (p80) (Cortactin).
61	ACM5_498_510	CNRTFRKTFKMILL	[]	[501, 505]	P08912	Muscarinic acetylcholine receptor M5.
62	BCKD_45_57	ERSKTVTSFYNQS	[47, 52, 57]	[49, 51]	O14874	[3-methyl-2-oxobutanoate dehydrogenase [lipamide]] kinase,mitochondrial precursor (EC 2.7.11.4) (Branched-chain alpha-ketoaciddehydrogenase kinase) (BCKDHKIN) (BCKD-kinase).
63	CSK21_355_367	ISSVPTPSPLGPL	[356, 357, 362]	[360]	P68400	Casein kinase II subunit alpha (EC 2.7.11.1) (CK II).
64	GPSM2_394_406	PKLGRRHSMENME	[401]	[]	P81274	G-protein-signaling modulator 2 (Mosaic protein LGN).



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65	KCNA3_461_473	EELRKARSNSTLS	[468, 470, 473]	[471]	P22001	Potassium voltage-gated channel subfamily A member 3 (Voltage-gated potassium channel subunit Kv1.3) (HPCN3) (HGK5) (HuKIII) (HLK3).
66	MBP_222_234	HFFKNIVTRTPP	[]	[229, 232]	P02686	Myelin basic protein (MBP) (Myelin A1 protein) (Myelin membraneencephalitogenic protein).
67	NOS3_1171_1183	SRIRTQSFSLQER	[1171, 1177, 1179]	[1175]	P29474	Nitric oxide synthase, endothelial (EC=1.14.13.39) (Endothelial NOS) (eNOS) (EC-NOS) (NOS type III) (NOSIII) (Constitutive NOS) (cNOS).
68	RAB1A_187_199	KSNVQIQTSPVKQ	[188, 194]	[195]	P62820	Ras-related protein Rab-1A (YPT1-related protein).
69	STK6_283_295	SSRRITLCTGLDY	[283, 284]	[287, 288, 292]	O14965	Serine/threonine-protein kinase 6 (EC 2.7.11.1) (Aurora kinase A)(Aurora-A) (Serine/threonine kinase 15) (Aurora/IPL1-related kinase 1)(Aurora-related kinase 1) (hARK1) (Breast tumor-amplified kinase).
70	CFTR_730_742	EPLERRLSLPVDS	[737, 742]	[]	P13569	Cystic fibrosis transmembrane conductance regulator (CFTR) (cAMP-dependent chloride channel) (ATP-binding cassette transporter sub-family C member 7).
71	MYPC3_268_280	LSAFRRSLAGGG	[269, 275]	[274]	Q14896	Myosin-binding protein C, cardiac-type (Cardiac MyBP-C) (C-protein, cardiac muscle isoform).
72	VASP_271_283	LARRRKATQVGEK	[]	[278]	P50552	Vasodilator-stimulated phosphoprotein (VASP).
73	ADDB_696_708	GSPSKSPSKKKK	[697, 699, 701, 703]	[]	P35612	Beta-adducin (Erythrocyte adducin subunit beta)
74	BRCA1_1451_1463	EKAVLTSQKSSEY	[1457, 1460, 1461]	[1456]	P38398	Breast cancer type 1 susceptibility protein (RING finger protein 53).
75	DCX_49_61	HFDERDKTSRNMR	[57]	[56]	O43602	Neuronal migration protein doublecortin (Lissencephalin-X) (Lis-X)(Doublin).
76	GSUB_61_73	KKPRRKDTPALHI	[]	[68]	O96001	G-substrate.
77	KCNB1_489_501	KWTKRTLSETSSS	[496, 499, 500, 501]	[491, 494, 498]	Q14721	Potassium voltage-gated channel subfamily B member 1 (Voltage-gated potassium channel subunit Kv2.1) (h-DRK1).
78	MK10_214_226	AGTSMFMMTPYVVT	[217]	[216, 221, 226]	P53779	Mitogen-activated protein kinase 10 (EC 2.7.11.24) (Stress-activated protein kinase JNK3) (c-Jun N-terminal kinase 3) (MAP kinase p49 3F12).
79	NR4A1_344_356	GRRGRLSPKPKQP	[351]	[]	P22736	Nuclear receptor subfamily 4 group A member 1 (Orphan nuclear receptorHMR) (Early response protein NAK1) (TR3 orphan receptor) (ST-59).
80	RAF1_253_265	QRQRSTSTPNVHM	[257, 259]	[258, 260]	P04049	RAF proto-oncogene serine/threonine-protein kinase (EC 2.7.11.1) (Raf-1) (C-RAF) (cRaf).
81	STMN2_90_102	AAGERRKSQEAQV	[97]	[]	Q93045	Stathmin-2 (Protein SCG10) (Superior cervical ganglion-10 protein).
82	CGHB_109_121	QCALCRRSTTDCG	[116]	[117, 118]	P01233	Choriongonadotropin subunit beta precursor (CG-beta) (Chorionicgonadotrophin chain beta).
83	NCF1_296_308	RGAPRRSSIRNA	[303, 304]	[]	P14598	Neutrophil cytosol factor 1 (NCF-1) (Neutrophil NADPH oxidase factor1) (47 kDa neutrophil oxidase factor) (p47-phox) (NCF-47K) (47 kDaautosomal chronic granulomatous disease protein) (Nox organizer 2)(Nox-organizing protein 2) (SH3 and PX domain-containing protein 1A).
84	VTNC_390_402	NQNSRRPSRATWL	[393, 397]	[400]	P04004	Vitronectin precursor (Serum-spreading factor) (S-protein) (V75)[Contains: Vitronectin V65 subunit; Vitronectin V10 subunit;Somatomedin-B].
85	ADDB_706_718	KKKFRTPSFLKKS	[713, 718]	[711]	P35612	Beta-adducin (Erythrocyte adducin subunit beta)
86	C1R_201_213	ASGYISSLEYPRS	[202, 206, 207, 213]	[]	P00736	Complement C1r subcomponent (EC=3.4.21.41)
87	ELK1_356_368	LLPTHLLTPVLLT	[]	[359, 361, 363, 368]	P19419	ETS domain-containing protein Elk-1.
88	GYS2_1_13	MLRGRSLSVTSLG	[6, 8, 11]	[10]	P54840	Glycogen [starch] synthase, liver (EC 2.4.1.11).
89	KIF11_919_931	LDIPTGTTPQRKS	[931]	[923, 925, 926]	P52732	Kinesin-like protein KIF11 (Kinesin-related motor protein Eg5)(Kinesin-like spindle protein HKSP) (Thyroid receptor-interactingprotein 5) (TRIP-5) (Kinesin-like protein 1).
90	MP2K1_281_293	GDAAEPTPRPTP	[]	[286, 292]	Q02750	Dual specificity mitogen-activated protein kinase kinase 1(EC 2.7.12.2) (MAP kinase kinase 1) (MAPKK 1) (ERK activator kinase 1)(MAPK/ERK kinase 1) (MEK1).
91	NTRK3_824_836	LHALGKATPIYLD	[]	[831]	Q16288	NT-3 growth factor receptor precursor (EC 2.7.10.1) (Neurotrophictyrosine kinase receptor type 3) (TrkC tyrosine kinase) (GP145-TrkC)(Trk-C).
92	RAP1B_172_184	PGKARKKSSCQLL	[179, 180]	[]	P61224	Ras-related protein Rap-1b precursor (GTP-binding protein smg p21B).
93	TAU_524_536	GSRSRTPSLPTPP	[525, 527, 531]	[529, 534]	P10636	Microtubule-associated protein tau (Neurofibrillary tangle protein)(Paired helical filament-tau) (PHF-tau).
94	CREB1_126_138	EILSRPSYRKIL	[129, 133]	[]	P16220	cAMP response element-binding protein (CREB).



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95	NCF1_321_333	QDAYRRNSVRFQ	[328]	[]	P14598	Neutrophil cytosol factor 1 (NCF-1) (Neutrophil NADPH oxidase factor1) (47 kDa neutrophil oxidase factor) (p47-phox) (NCF-47K) (47 kDaautosomal chronic granulomatous disease protein) (Nox organizer 2)(Nox-organizing protein 2) (SH3 and PX domain-containing protein 1A).
96	CFTR_761_773	LQARRRQSVLNLM	[768]	[]	P13569	Cystic fibrosis transmembrane conductance regulator (CFTR) (cAMP-dependent chloride channel) (ATP-binding cassette transporter sub-family C member 7).
97	AKT1_301_313	KDGATMKTFCGTP	[]	[305, 308, 312]	P31749	RAC-alpha serine/threonine-protein kinase (EC 2.7.11.1) (RAC-PK-alpha)(Protein kinase B) (PKB) (C-AKT).
98	CA2D1_494_506	LEDIKRLTPRFTL	[]	[501, 505]	P54289	Voltage-dependent calcium channel subunit alpha-2/delta-1 precursor(Voltage-gated calcium channel subunit alpha-2/delta-1) [Contains:Voltage-dependent calcium channel subunit alpha-2-1; Voltage-dependentcalcium channel subunit delta-1].
99	ELK1_410_422	ISVDGLSTPVVLS	[411, 416, 422]	[417]	P19419	ETS domain-containing protein Elk-1.
100	H2B1B_27_40	GKKRKRSRKESYSI	[33, 37, 39]	[]	P33778	Histone H2B type 1-B (H2B.f) (H2B/f) (H2B.1).
101	KIF2C_105_118_S106G	EGLRSRSTRMSTVS	[109, 111, 115, 118]	[112, 116]	Q99661	Kinesin-like protein KIF2C (Mitotic centromere-associated kinesin)(MCAK) (Kinesin-like protein 6).
102	MP2K1_287_299	PPRPRTPGRPLSS	[298, 299]	[292]	Q02750	Dual specificity mitogen-activated protein kinase kinase 1(EC 2.7.12.2) (MAP kinase kinase 1) (MAPKK 1) (ERK activator kinase 1)(MAPK/ERK kinase 1) (MEK1).
103	P53_12_24	PPLSQETFSDLWK	[15, 20]	[18]	P04637	Cellular tumor antigen p53 (Tumor suppressor p53) (Phosphoprotein p53)(Antigen NY-CO-13).
104	RB_242_254	AVIPINGSRPTPR	[249]	[252]	P06400	Retinoblastoma-associated protein (PP110) (P105-RB)
105	TLE2_246_258	EPPSPATTPCGKV	[249]	[252, 253]	Q04725	Transducin-like enhancer protein 2 (ESG2).
106	DESP_2842_2854	RSGSRRGFSFDTG	[2843, 2845, 2849]	[2853]	P15924	Desmoplakin (DP) (250/210 kDa paraneoplastic pemphigus antigen).
107	NFKB1_330_342	FVQLRRKSDLETS	[337, 342]	[341]	P19838	Nuclear factor NF-kappa-B p105 subunit (DNA-binding factor KBF1) (EBP-1) [Contains: Nuclear factor NF-kappa-B p50 subunit].
108	F263_454_466	NPLMRNSVTPLA	[461]	[463]	Q16875	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 (6PF-2-K/Fru-2,6-P2ASE brain/placenta-type isozyme) (iPFK-2) (Renal carcinomaantigen NY-REN-56) [Includes: 6-phosphofructo-2-kinase (EC 2.7.1.105);Fructose-2,6-bisphosphatase (EC 3.1.3.46)].
109	ANDR_785_797	VRMRHLSQEFQWL	[791]	[]	P10275	Androgen receptor (Dihydrotestosterone receptor) (Nuclear receptor subfamily 3 group C member 4).
110	CD27_212_224	HQRRKYRSNKGES	[219, 224]	[]	P26842	CD27 antigen precursor (CD27L receptor) (T-cell activation antigenCD27) (T14) (Tumor necrosis factor receptor superfamily member 7).
111	ERBB2_679_691	QQKIRKYTMRRLL	[]	[686]	P04626	Receptor tyrosine-protein kinase erbB-2 precursor (EC 2.7.10.1)(p185erbB2) (C-erbB-2) (NEU proto-oncogene) (Tyrosine kinase-type cellsurface receptor HER2) (MLN 19) (CD340 antigen).
112	H32_3_18	RTKQTARKSTGGKAPR	[11]	[4, 7, 12]	Q71DI3	Histone H3.2 (H3/m) (H3/o).
113	KPCB_19_31_A25S	RFARKGSLRQKNV	[25]	[]	P05771	Protein kinase C beta type (EC 2.7.11.13) (PKC-beta) (PKC-B).
114	MPH6_140_152	EDENGDTPIKAK	[]	[147]	Q99547	M-phase phosphoprotein 6.
115	P53_308_323	LPNNTSSSPQPKKKPL	[313, 314, 315]	[312]	P04637	Cellular tumor antigen p53 (Tumor suppressor p53) (Phosphoprotein p53)(Antigen NY-CO-13).
116	RB_350_362	SFETQRTPRKSNL	[350, 360]	[353, 356]	P06400	Retinoblastoma-associated protein (PP110) (P105-RB)
117	TOP2A_1463_1475	RRKRKPSTDDSD	[1469, 1471, 1474]	[1470]	P11388	DNA topoisomerase 2-alpha (EC=5.99.1.3) (DNA topoisomerase II, alpha isozyme).
118	E1A_ADE05_212_224	AILRRPTSPVSRE	[219, 222]	[218]	P03255	Early E1A 32 kDa protein.
119	PLM_76_88	EEGTRFSIRRLS	[82, 83, 88]	[79]	O00168	Phospholemman precursor (FXD domain-containing ion transportregulator 1).
120	KAP3_107_119	NRFRRASVCAEA	[114]	[110]	P31323	cAMP-dependent protein kinase type II-beta regulatory subunit.
121	ANXA1_209_221	AGERRKGTDVNVF	[]	[216]	P04083	Annexin A1 (Annexin-1) (Annexin I) (Lipocortin I) (Calpactin II)(Chromobindin-9) (p35) (Phospholipase A2 inhibitory protein).
122	CDC2_154_169	GIPIRVYTHEVTLWY	[]	[161, 166]	P06493	Cell division control protein 2 homolog (EC 2.7.11.22) (EC 2.7.11.23) (p34 protein kinase) (Cyclin-dependent kinase 1) (CDK1).
123	ERF_519_531	GEAGGPLTPRRVS	[531]	[526]	P50548	ETS domain-containing transcription factor ERF (Ets2 repressorfactor).
124	IF4E_203_215	TATKSGSTTKNRF	[207, 209]	[203, 205, 210, 211]	P06730	Eukaryotic translation initiation factor 4E (eIF-4E) (eIF4E) (mRNA cap-binding protein) (eIF-4F 25 kDa subunit).
125	KPCB_626_639	AENFDRFFTRHPPV	[]	[634]	P05771-2	Protein kinase C beta type (EC 2.7.11.13) (PKC-beta) (PKC-B).



STK PamChip array
(article code 32501)

No	ID	Sequence	Ser	Thr	Uniprot Accession	Description
126	MPIP1_172_184	FTQRQNSAPARML	[178]	[173]	P30304	M-phase inducer phosphatase 1 (EC=3.1.3.48) (Dual specificity phosphatase Cdc25A).
127	PDE5A_95_107	GTPTRKISASEFD	[102, 104]	[96, 98]	O76074	cGMP-specific 3',5'-cyclic phosphodiesterase (EC 3.1.4.35) (CGB-PDE)(cGMP-binding cGMP-specific phosphodiesterase).
128	RB_774_786	TRPPTLSPIPHIP	[780]	[774, 778]	P06400	Retinoblastoma-associated protein (PP110) (P105-RB)
129	VASP_150_162	EHIERRVSNAGGP	[157]	[]	P50552	Vasodilator-stimulated phosphoprotein (VASP).
130	EPB42_241_253	LLNKRGRSVPILR	[248]	[]	P16452	Erythrocyte membrane protein band 4.2 (Erythrocyte protein 4.2)(P4.2).
131	PTN12_32_44	FMRLRLSTKYRT	[39]	[40, 44]	Q05209	Tyrosine-protein phosphatase non-receptor type 12 (EC 3.1.3.48)(Protein-tyrosine phosphatase G1) (PTPG1) (PTP-PEST).
132	KCNA6_504_516	ANRRRRPSYLPTP	[511]	[515]	P17658	Potassium voltage-gated channel subfamily A member 6 (Voltage-gated potassium channel subunit Kv1.6) (HBK2).
133	pVASP_150_164	EHIERRV(pS)NAGGPPA	[157]	[]	P50552	Vasodilator-stimulated phosphoprotein (VASP).
134	CDK7_163_175	GSPNRAYTHQVVT	[164]	[170, 175]	P50613	Cell division protein kinase 7 (EC 2.7.11.22) (EC 2.7.11.23) (CDK-activating kinase) (CAK) (TFIIH basal transcription factor complex kinase subunit) (39 kDa protein kinase) (P39 Mo15) (STK1) (CAK1).
135	ESR1_160_172	GGRERLASTNDKG	[167]	[168]	P03372	Estrogen receptor (ER) (Estradiol receptor) (ER-alpha) (Nuclearreceptor subfamily 3 group A member 1).
136	IKBA_26_38	LDDRHDSGLDSMK	[32, 36]	[]	P25963	NF-kappa-B inhibitor alpha (I-kappa-B-alpha) (IkappaBalph) (Ikb-alpha) (Major histocompatibility complex enhancer-binding protein MAD3).
137	KS6A1_374_386	QLFRGFSFVATGL	[380]	[384]	Q15418	Ribosomal protein S6 kinase alpha-1 (SRK-alpha-1) (EC=2.7.11.1) (90 kDa ribosomal protein S6 kinase 1) (p90-RSK 1) (pp90RSK1) (p90S6K) (Ribosomal S6 kinase 1) (RSK-1) (MAP kinase-activated protein kinase 1a) (MAPKAPK1a).
138	MPIP3_208_220	RSGLYRSPSPEN	[209, 214, 216]	[]	P30307	M-phase inducer phosphatase 3 (EC 3.1.3.48) (Dual specificity phosphatase Cdc25C).
139	PDPK1_27_39	SMVRTQTESSTPP	[27, 35, 36]	[31, 33, 37]	O15530	3-phosphoinositide-dependent protein kinase 1 (EC 2.7.11.1) (hPDK1).
140	RB_803_815	NIYISPLKSPYKI	[807, 811]	[]	P06400	Retinoblastoma-associated protein (PP110) (P105-RB)
141	VASP_232_244	GAKLRKVKQEEA	[239]	[]	P50552	Vasodilator-stimulated phosphoprotein (VASP).
142	GBRB2_427_439	SRLRRRASQLKIT	[427, 434]	[439]	P47870	Gamma-aminobutyric acid receptor subunit beta-2 precursor (GABA(A)receptor subunit beta-2).
143	PYGL_8_20	QEKRRQISIRGIV	[15]	[]	P06737	Glycogen phosphorylase, liver form (EC 2.4.1.1).
144	TY3H_65_77	FIGRRQSLIEDAR	[71]	[]	P07101	Tyrosine 3-monooxygenase (EC 1.14.16.2) (Tyrosine 3-hydroxylase) (TH).