

Product datasheet for PH321398

FAK (PTK2) (NM_005607) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PTK2 MS Standard C13 and N15-labeled recombinant protein (NP_005598)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221398
Predicted MW:	121.5 kDa
Protein Sequence:	>RC221398 representing NM_005607 Red=Cloning site Green=Tags(s)

MISADCNLCLEPEYDRYLASSKIMAAAYLDPNLNHTPNSSTKTHLGTGMERSPGAMERVLKVFHYFESNSE
PTTWASIIIRHGDATAVVRGIIQKIVDSHKVHKVACYGFRLSHLRSEEVHWHVDMGVSSVREKYLALHPPE
EWKYELRIRYLPKGFNLQFTEDKPTLNFFYQQVKS DYMLEIADQVDQEIALKLGCLEIRRSYWEMRGNAL
EKKSNEYVLEKDVGLKRFPPKSLLDVSKAKTLRKL IQQTFRQFANLNREESILKFFEILSPVYRFDKECF
KCALGSSWIIISVELAIGPEEGISYLDKGCNPTHADFTQVQTIQYSNSEDKDRKMLQLK IAGAPEPLT
VTAPSLTIAENMADLIDGYCRLVNGTSQSF IIRPQKEGERALPSIPKLANSEKQGMRTHAVSVSETDDYA
EIIDDEEDTYTMPSTRDYEIQRERIELGRCIGEGQFGDVHQGIYMSPENPALAVAIKTCNKCTSDSVREKF
LQEAL TMRQFDHPHIVKLI GVIITENPVWIIMELCTLGELRSFLQVRKYSLDLASEL ILYAYQLSTALAYLE
SKRFVHRDIAARNVLVSSNDCVKGDFGLSRYMEDSTYYKASKGKLP IKWMAPEINFRFRTSASDVWMMF
GVCMWEILMHGVKPFQGVKNNDVIGRIENGERLPMPPNCPPTLYSLMTKCWAYDP SRRRPFTELKAQLST
ILEEEKAQQEERMESRRQATVSWDSGGSD EAPPKPSRPGYSPRSSEGFYPSQHMVQTNHYQVSGYP
GSHGITAMAGSIYPGQASLLDQTD SWNHRPQEIAMWQPNVEDSTVLDLRGIGQVLP THLMEERLIRQQQE
MEEDQRWLEKEERFLKPDVRLSRGSI DREDGSLQGPIGNQHIYQPVGKPDPAAPPKPPRPGAPGHLGSL
ASLSSPADSYNEGVKLPQEISPPPTANLDRSNDKVVYENV TGLVKAVIEMSSKIQPAPPEEYVPMVKEVG
LALRTLLATVDETIPLLPASTHREIEMAQKLLNSDLGEL INKMKLAQQYVMTSLQQEYKQMLTAHALA
VDAKNLLDVIDQARLKMLGQTRPH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

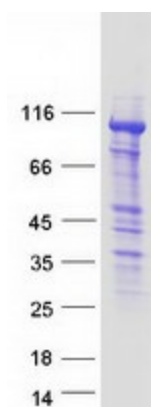
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005598
RefSeq Size:	4442
RefSeq ORF:	3222
Synonyms:	FADK; FADK 1; FAK; FAK1; FRNK; p125FAK; pp125FAK; PPP1R71
Locus ID:	5747
UniProt ID:	Q658W2 , Q59GM6
Cytogenetics:	8q24.3
Summary:	This gene encodes a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Activation of this gene may be an important early step in cell growth and intracellular signal transduction pathways triggered in response to certain neural peptides or to cell interactions with the extracellular matrix. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2017]
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Axon guidance, Chemokine signaling pathway, ErbB signaling pathway, Focal adhesion, Leukocyte transendothelial migration, Pathways in cancer, Regulation of actin cytoskeleton, Small cell lung cancer, VEGF signaling pathway

Product images:



Coomassie blue staining of purified PTK2 protein (Cat# [TP321398]). The protein was produced from HEK293T cells transfected with PTK2 cDNA clone (Cat# [RC221398]) using MegaTran 2.0 (Cat# [TT210002]).