

Product datasheet for TP506736

Pftk1 (BC068134) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse PFTAIRE protein kinase 1 (cDNA clone MGC:95907 IMAGE:6834018), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206736 protein sequence Red =Cloning site Green =Tags(s)
	<p>MSTRNCQGTDSVIKHLDTIPEDKKVRVQRTQSTFDPFKPNQVKRVHSENNACINFKSSSAGKESPKVR RHSSPSSPTSPKFGKADSYEKLEKLGESYATVYKGSKVNGLVALKVIRLQEEEGTPFTAIREASLLK GLKHANIVLLHDIHTKETLTLVFEYVHTDLCQYMDKHPGGLHPDENVKLFQLLRGLSYIHQRYILHRD LKPQNLLISDTGELKLADFLARAKSVPSHTYSNEVTLWYRPPDVLLGSTEYSTCLDMWGVGCIFVEMI QGVAAFPQMKDIQDQLERIFLVLGTPNEDTWPGVHSLPHFKPERFTVYSSKSLRQAWNKLSYVNHAEDLA SKLLQCSPKNRLSAQAALSHEYFSDLPPRLWELTDMSSIFTVPNVRLQPEAGESMRAFGKNNSYGKLSLN SKH</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	47.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	18647



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UniProt ID: [O35495](#)

RefSeq Size: 5127

Cytogenetics: 5 2.61 cM

RefSeq ORF: 1269

Synonyms: mKIAA0834; Pftk1

Summary: Serine/threonine-protein kinase involved in the control of the eukaryotic cell cycle, whose activity is controlled by an associated cyclin. Acts as a cell-cycle regulator of Wnt signaling pathway during G2/M phase by mediating the phosphorylation of LRP6 at 'Ser-1490', leading to the activation of the Wnt signaling pathway. Acts as a regulator of cell cycle progression and cell proliferation via its interaction with CCDN3. Phosphorylates RB1 in vitro, however the relevance of such result remains to be confirmed in vivo. May also play a role in meiosis, neuron differentiation and may indirectly act as a negative regulator of insulin-responsive glucose transport (By similarity).[UniProtKB/Swiss-Prot Function]