

Product datasheet for TP507499

Pi4k2b (NM_025951) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse phosphatidylinositol 4-kinase type 2 beta (Pi4k2b), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207499 representing NM_025951 Red =Cloning site Green =Tags(s)
	<p>MAEACEPTRPSEDEDEEREPELLPRVAWAQPRRVAPGSAVRMQADEGADVLRPATDEPPAVSGEGSISAS LSTELDRTRTTSSETNTFLEDPEFADIVLKAEQAI EIGVFPERISQGSSGSYFVKDSKRNIIGVFKPKSE EPYGQLNPKWTKYVHKVCCPCCFGRGCLLPNQGYLSEAGAYLVDVKLN LGIVPKTKVWVWLVS EFNYS AI DRAKSRGKKYALEKVPKVGRKFHRIGLPPKVGSFQLFVKDYKEAEYWLRRFEAEPLPENIRKQFQSQFEK LVILDYIIRNTDRGNDNWLVKYDEMKYAKKIESEESNWIDNKQLLIKIAAIDNGLAFPFKHPDEWRAYPF HWAWLPQAKVPFSEETRNLILPYISDMNFVQDLCEDLYELFKTDKGFDRAAFENQMSVMRGGQILNLTQAL RDGKSPMQLAQMPCVIVECSKSGSQGRVVHLGSSFTQTVHCRKPPFFSSW</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	53.9 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.
RefSeq:	<u>NP_080227</u>
Locus ID:	67073



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UniProt ID: [Q8CBQ5](#)

RefSeq Size: 3143

Cytogenetics: 5 C1

RefSeq ORF: 1407

Synonyms: 2610042N09Rik; 4933409G22Rik

Summary: Together with PI4K2A and the type III PI4Ks (PIK4CA and PIK4CB) it contributes to the overall PI4-kinase activity of the cell. This contribution may be especially significant in plasma membrane, endosomal and Golgi compartments. The phosphorylation of phosphatidylinositol (PI) to PI4P is the first committed step in the generation of phosphatidylinositol 4,5-bisphosphate (PIP2), a precursor of the second messenger inositol 1,4,5-trisphosphate (InsP3). Contributes to the production of InsP3 in stimulated cells and is likely to be involved in the regulation of vesicular trafficking (By similarity).[UniProtKB/Swiss-Prot Function]