

## Product datasheet for **TP507797**

### Pip5k1b (BC034864) Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse phosphatidylinositol-4-phosphate 5-kinase, type 1 beta (cDNA clone MGC:41200 IMAGE:3326897), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR207797 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MSSTAENGDAVPGKQNEEKTYKKTASSAIKGAIQLGIGYTVGNLTSKPERDVLMQDFYVWESVFLPSEGS NLTPAHHYPDFRFKTYAPLAFRYFRELFGIKPDDYLYSICSEPLIELSNPGASGSLFFLTSDDEFIIKTV QHKEAEFLQKLLPGYMNLNQNPRTLLPKFYGLYCMQSGGINIRIVMNNVLPARAMRHLYTLKDGSTYK RRASRKEREKPNPTFKDLDFLQDMHEGLYFDTETYNALMKTQRDCRVLESFKIMDYSLLLGIHILDHSL KDKEEELQNVDAKRPQMVKVLYSTAMESIQGPGKSADGIIAENPDTMGGIPAKSHKGEKLLLFMGIID ILQSYRLMKKLEHSWKALVYDGDTVSVHRPSFYADRFLKFMNSRVFKKIQALGSRHRPDLVPSTPSLFEA ASLATTISSSSLYGGEHYPHDRRTTLYSNSKGLPSSSTFTLEEGTIYLTAEPNLTLDLQDDASVLDVYL
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	55.1 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Locus ID:</b>	18719



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UniProt ID: [P70181](#)

RefSeq Size: 2414

Cytogenetics: 19 B

RefSeq ORF: 1461

Synonyms: STM7, Pipk5b

**Summary:** Participates in the biosynthesis of phosphatidylinositol 4,5-bisphosphate. Mediates RAC1-dependent reorganization of actin filaments. Contributes to the activation of PLD2. Together with PIP5K1A is required after stimulation of G-protein coupled receptors for stable platelet adhesion.[UniProtKB/Swiss-Prot Function]