

## Product datasheet for **TP323713**

### PIP5K1 beta (PIP5K1B) (NM\_003558) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphatidylinositol-4-phosphate 5-kinase, type I, beta (PIP5K1B), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223713 representing NM_003558 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSSAAENGEAAPGKQNEEKTYKKTASSAIKGAIQLGIGYTVGNLTSKPERDVLMDQDFYVWESVFLPSEGS  
NLTPAHHYDPFRFKTYAPLAFRYFRELFGIKPDDYLYSICSEPLIELSNPGASGSLFFVTSDDDEFIHKTV  
QHKEAEFLQKLLPGYYMNLNQNPRLLPKFYGLYCMQSGGINIRIVMNNVLPMSMRMHFTYDLKGSTYK  
RRASRKEREKSNPTFKDLDFLQDMHEGLYFDTETYNALMKTLLQRDCRVLESFKIMDYSLLLGIHFLDHS  
KEKEEETPQNVDAKRTGMQKVLSTAMESIQGPGKSGDGIITENPDTMGGIPAKSHRGEKLLLFMGIID  
ILQSYRLMKKLEHSWKALVYDGDVSVHRPSFYADRFLKFMNSRVFKKIQALKASPSKKRCSIAALKAT  
SQEIVSSISQEWKDEKRDLLTEGQSFSSLDDEALGSRHRPDLVPSTPSLFEAASLATTISSSSLYVNEHY  
PHDRPTLYSNSKGLPSSSTFTLEEGTIYLTAEPNTLEVQDDNASVLDVYL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

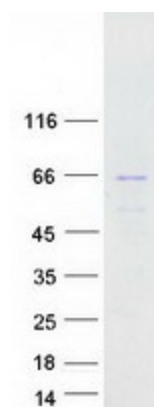
Tag:	C-Myc/DDK
Predicted MW:	60.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.



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<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>RefSeq:</b>	<a href="#">NP_003549</a>
<b>Locus ID:</b>	8395
<b>UniProt ID:</b>	<a href="#">O14986</a> , <a href="#">Q7KYT6</a>
<b>RefSeq Size:</b>	2764
<b>Cytogenetics:</b>	9q21.11
<b>RefSeq ORF:</b>	1620
<b>Synonyms:</b>	MSS4; STM7
<b>Summary:</b>	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 (By similarity).[UniProtKB/Swiss-Prot Function]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Endocytosis, Fc gamma R-mediated phagocytosis, Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system, Regulation of actin cytoskeleton

### Product images:



Coomassie blue staining of purified PIP5K1B protein (Cat# TP323713). The protein was produced from HEK293T cells transfected with PIP5K1B cDNA clone (Cat# [RC223713]) using MegaTran 2.0 (Cat# [TT210002]).