

Product datasheet for PH323713

PIP5K1 beta (PIP5K1B) (NM_003558) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PIP5K1B MS Standard C13 and N15-labeled recombinant protein (NP_003549)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223713
Predicted MW:	60.9 kDa
Protein Sequence:	>RC223713 representing NM_003558 Red=Cloning site Green=Tags(s)

MSSAAENGEAAPGKQNEEKTYKKTASSAIKGAIQLGIGYTVGNLTSKPERDVLMQDFYVVESVFLPSEGS
NLTPAHHPDFRFRKTYAPLAFRYFRELFGIKPDDYLYSICSEPLIELSNPGASGSLFFVTSDDDEFIIKTV
QHKEAEFLQKLLPGYYMNLNQNPRLLPKFYGLYCMQSGGINIRIVVMNNVLPMSMRMHFTYDLKGSTYK
RRASRKEREKSNPTFKDLDFLQDMHEGLYFDTETYNALMKTQRDCRVLESFKIMDYSLLLGIHFLDHS
KEKEEETPNVPAKRTGMQKVLYSTAMESIQGPGKSGDGIITENPDTMGGIPAKSHRGEKLLLFMGIID
ILQSYRLMKLEHSWKALVYDGDVSVHRPSFYADRFLKFMSRVFKKIQAALKASPSKKRCSIAALKAT
SQEIVSSI SQEWKDEKRDLLTEGQSFSSLDEEALGSRHRPDLVPSTPSLFEAASLATTISSSLYVNEHY
PHDRPTLYSNSKGLPSSSTFTLEEGTIYLTAEPTNTLEVQDDNASVLDVYL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

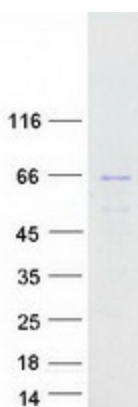
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	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:	<u>NP_003549</u>
RefSeq Size:	2764
RefSeq ORF:	1620



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Synonyms:	MSS4; STM7
Locus ID:	8395
UniProt ID:	O14986 , Q7KYT6
Cytogenetics:	9q21.11
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 (By similarity).[UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome
Protein Pathways:	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]).