

Product datasheet for PH318338

PIP5K2 beta (PIP4K2B) (NM_003559) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PIP4K2B MS Standard C13 and N15-labeled recombinant protein (NP_003550)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218338
Predicted MW:	47.2 kDa
Protein Sequence:	>RC218338 representing NM_003559 Red=Cloning site Green=Tags(s)
	MSSNCTSTTAVAVAPLSASKTKTKKKHFVCQKVKLFRASEPILSVLMWGVNHTINELSNVPVVMLPDD FKAYSKIKVDNHLFNKENLPSRFKFKYCPMVFRLRERFGIDDQDYQNSVTRSAPINSDSQGRGTRFL TTYDRRFVIKTVSSEDVAEMHNILKKYHQFIVECHGNTLLPQFLGMYRLTVDGVETYMVVTRNVFSHRLT VHRKYDLKGSTVAREASDKEKAKDLPTFKDNDFLNEGQKLHVGEESKKNFLEKLRDVEFLAQLKIMDYS LLVGIHDVDRAEQEEMEVEERADEECENDGVGGNLLCSYGTPPDSPGNLLSFPRFFGPGGEFDPSVDVYA MKSHESSPKKEVYFMAIIDILTPYDTKKKAAHAAKTVKHGAGAEISTVNPEQYSKRFNEFMSNILT
	TRRLEQKLI 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_003550</u>
RefSeq Size:	3878
RefSeq ORF:	1248
Synonyms:	PI5P4KB; PIP5K2B; PIP5KIIB; PIP5KIIBeta; PIP5P4KB
Locus ID:	8396



[View online »](#)

UniProt ID: [P78356](#)

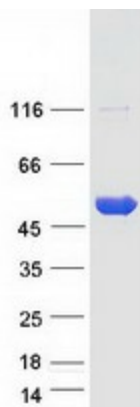
Cytogenetics: 17q12

Summary: The protein encoded by this gene catalyzes the phosphorylation of phosphatidylinositol-5-phosphate on the fourth hydroxyl of the myo-inositol ring to form phosphatidylinositol-5,4-bisphosphate. This gene is a member of the phosphatidylinositol-5-phosphate 4-kinase family. The encoded protein sequence does not show similarity to other kinases, but the protein does exhibit kinase activity. Additionally, the encoded protein interacts with p55 TNF receptor. [provided by RefSeq, Jul 2008]

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 PIP4K2B protein (Cat# [TP318338]). The protein was produced from HEK293T cells transfected with PIP4K2B cDNA clone (Cat# [RC218338]) using MegaTran 2.0 (Cat# [TT210002]).