

Product datasheet for PH315828

PIP5KI gamma (PIP5K1C) (NM_012398) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PIP5K1C MS Standard C13 and N15-labeled recombinant protein (NP_036530)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215828
Predicted MW:	73.1 kDa
Protein Sequence:	>RC215828 representing NM_012398 Red=Cloning site Green=Tags(s)

MELEVPDEAESAEAGAVPSEAAWAAESGAAAGLAQKKAAPTEVLSMTAQPGPGHGKKGHRGVDASGETT
YKKTSSSTLKGAIQLGIGYTVGHLSSKPERDVLMDQDFYVVESIFFPSEGSNLTPAHHFQDFRFKTYAPVA
FRYFRELFGIRPDDYLYSLCNEPLIELSNPGASGSLFYVTSDDDEFIIKTVMHKEAEFLQKLLPGYYMNLN
QNPRTLLPKFYGLYCVQSGGKNIRVVVMNNILPRVVKMHLKFDLKGSTYKRRASKKEKEKSFPPTYKDLDF
MQDMPEGLLLDADTF SALVKTQRDCLVLESFKIMDYSLLLGVHNIHQHERERQAQGAQSTDEKRPVGG
KALYSTAMESIQGGAARGEAISSDDTMGGIPAVNGRGERLLLHIGIIDILQSYRFIKKLEHTWKALVHDG
DTVSVHRPSFYAERFFKFSNNTVFRKNSSLKSSPSKKGRRGALLAVKPLGPTAAF SASQIPSEREEAQYD
LRGARSYPTLEDEGRPDLLPCTPPSFEEATTASIATLSTSL SIPERSPSETSEQPRYRRRTQSSGQDG
RPQEEPPAEEDLQQITVQVEPACSV EIVVPKEEDAGVEASPAGASAAVEVETASQASDEEGAPASQASDE
EDAPATDIYFPTDERSWYYSPLHYSAQAPPASDGESDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

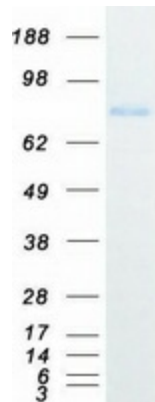
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_036530
RefSeq Size:	5047



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RefSeq ORF:	2004
Synonyms:	LCCS3; PIP5K-GAMMA; PIP5K1-gamma; PIP5Kgamma
Locus ID:	23396
UniProt ID:	O60331
Cytogenetics:	19p13.3
Summary:	This locus encodes a type I phosphatidylinositol 4-phosphate 5-kinase. The encoded protein catalyzes phosphorylation of phosphatidylinositol 4-phosphate, producing phosphatidylinositol 4,5-bisphosphate. This enzyme is found at synapses and has been found to play roles in endocytosis and cell migration. Mutations at this locus have been associated with lethal congenital contractural syndrome. Alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Sep 2010]
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis, Fc gamma R-mediated phagocytosis, Focal adhesion, Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system, Regulation of actin cytoskeleton

Product images:



Coomassie blue staining of purified PIP5K1C protein (Cat# [TP315828]). The protein was produced from HEK293T cells transfected with PIP5K1C cDNA clone (Cat# [RC215828]) using MegaTran 2.0 (Cat# [TT210002]).