

## Product datasheet for **TP315828L**

### PIP5KI gamma (PIP5K1C) (NM\_012398) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphatidylinositol-4-phosphate 5-kinase, type I, gamma (PIP5K1C), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215828 representing NM_012398 Red=Cloning site Green=Tags(s)

MELEVPDEAESAEAGAVPSEAAWAAESGAAAGLAQKKAAPTEVLSMTAQPGPGHGKKGHRGVDASGETT  
YKKTTSSTLKGAIQLGIGYTVGHLSSKPERDVLMDQDFYVVESIFFPSEGSNLTPAHHFQDFRFKTYAPVA  
FRYFRELFGIRPDDYLYSLCNEPLIELSNPGASGSLFYVTSDDDEFIHKTMHKEAEFLQKLLPGYMMNLN  
QNPRTLLPKFYGLYCVQSGGKNIRVVMNINILPRVVKMHLKFDLKGSTYKRRASKKEKEKSFPTYKDLDF  
MQDMPEGLLLDADTF SALVKTLQRDCLVLESFKIMDYSLLLGVHNIDQHERERQAQGAQSTSDEKRPVGQ  
KALYSTAMESIQGGAARGEAIESDDTMGGIPAVNGRGERLLLHIGIIDILQSYRFIKKLEHTWKALVHDG  
DTVSVHRPSFYAERFFKMSNTVFRKNSSLKSSPSKKGRRGALLAVKPLGPTAAFSASQIPSEREEAQYD  
LRGARSYPTLEDEGRPDLLPCTPPSFEEATTASIATLSSTLSIPERSPSETSEQPRYRRRTQSSGQDG  
RPQEEPPAEEDLQQITVQVEPACSV EIVPKEEDAGVEASPAGASAAVEVETASQASDEEGAPASQASDE  
EDAPATDIYFPTDERSWWYSPLHYSAQAPPASDGEDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

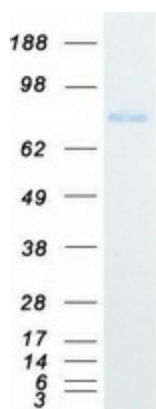
Tag:	C-Myc/DDK
Predicted MW:	73.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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_036530</a>
<b>Locus ID:</b>	23396
<b>UniProt ID:</b>	<a href="#">O60331</a>
<b>RefSeq Size:</b>	5047
<b>Cytogenetics:</b>	19p13.3
<b>RefSeq ORF:</b>	2004
<b>Synonyms:</b>	LCCS3; PIP5K-GAMMA; PIP5K1-gamma; PIP5Kgamma
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	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]).