

Product datasheet for **SC337267**

PIP5KI gamma (PIP5K1C) (NM_001300849) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIP5KI gamma (PIP5K1C) (NM_001300849) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIP5K1C
Synonyms:	LCCS3; PIP5K-GAMMA; PIP5K1-gamma; PIP5Kgamma
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001300849, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCTGGAGGTACCGGACGAGGCGGAGAGCGCTGAGGCGGGGCGCTGCCCTCGGAGGCGGCGTGGG
CGGCAGAGAGCGGGCGGCGCAGGTTTGGCTCAGAAGAAGCGGCCCAACAGAGGTTCTGTCCATGAC
GGCACAGCGGGCCCTGGCCATGGGAAGAAGTTGGCCATCGAGGTGTGGACGCATCCGGCGAAACCACC
TACAAGAAGACCCTCCTCCACCCTGAAGGGTGCATCCAGCTGGGCATCGGCTACACCGTGGGCCACC
TGAGCTCCAAGCCGAACGCGACGTGCTCATGCAGGACTTCTACGTGGTGGAGAGCATCTTCTCCCCAG
CGAAGGCAGAACCTCACCCCGCCACCACCTCCAGGACTTCCGCTTCAAGACCTATGCACCTGTCCGC
TTCGCTACTTCCGGGAGCTCTTTGGGATCCGGCCAGATGATTACTTGTACTCCCTGTGCAATGAGCCGC
TGATCGAGCTGTCAACCCGGGCGCCAGTGGCTCCCTTCTACGTACCAGCGACGACGAGTTCATCAT
CAAGACCGTCATGCACAAGGAGGCGGAGTTCCTGCAGAAGCTGCTCCCTGGCTACTACATGAACCTCAAC
CAGAACC CGGACGCTGCTGCCAAGTCTATGGGCTGACTGCGTGCAGTCCGGGGGCAAGAATCC
GCGTCGTGGTTCATGAACAACATCCTGCCCGCGTGGTCAAGATGCACCTCAAGTTCGACCTCAAGGGCTC
CACCTACAAGCGGCGCCAGCAAGAAGGAGAAGGAGAAGAGCTTCCCCACCTACAAGGACCTGGACTTC
ATGCAGGACATGCCCGAGGGGCTCCTGCTGGACGCCGACACCTTCAGCGCCCTGGTCAAGACGCTGCAGC
GGGACTGCCTGGTCTGGAAAGTTTCAAGATCATGGACTACAGCCTGCTGCTGGGCGTGCACAACATCGA
CCAGCACGAGCGCGAGCGGCAGGCGCAGGGCGCCAGAGCACCTCAGATGAGAAGCGGCCTGTGGGCCAG
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CTGCGGGGGCCCGCAGTACCCACGCTGGAGGACGAAGGCCGCGCCGACCTCCTGCCCTGCACGCCAC
CTTCTTTTGAAGAAGCCACTACAGCCTCCATTGCCAGACTCTGTTCATCCACATCCCTCTCCATTCTGA
GCGGTCCCGCTCGGAGACGTCCGAGCAGCCGCGGTACAGGCGGCGCACACAGTCTGACAGGATGGC
AGGCCGACAGGAGGCCACCCGCGGAAGAGGATCTGCAGCAGATTACAGTGCAGGTGGAGCCTGCGTGCA
GCGTGGAGATTGGTCCCAAAGAGGAGGACGAGGGGTGGAGGCTTCCCGGGCGGTGCCTCTGCTGC
TGTTGAAGTAGAACTGCCAGCCAGGCCTCAGACGAGGAGGGCGCACCTGCCAGCCAGGCCTCGGACGAG
GAGGACGCGCCCGCCACCACGATCTACTTTTACGGATGGGAGTACTGGATTTACTCTCCCGCCATC
GCCGACTGCGGGCCGTGACGCTGAGCGCCTCGGGGACTGTAAGTGACCGAGCCGCCACCTGGGGAGA
AGGGGACGTGCCCTCGGGCAGCAGGGAGCCGAGGTCCCGGCCGGAAGCTCAGTGTCTGACGTGAGT
GTTTTCCAGAAGGGCTTTGGGTAA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001300849

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001300849.1 , NP_001287778.1
RefSeq Size:	3035 bp
RefSeq ORF:	2124 bp
Locus ID:	23396
UniProt ID:	O60331
Cytogenetics:	19p13.3
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
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3, also known as PIPKIgamma_v5) encodes the longest isoform (3, also known as PIPKIgamma_i5).</p>