

## Product datasheet for RC231345L3V

## OriGene Technologies, Inc.

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## PIP5KI gamma (PIP5K1C) (NM\_001195733) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

Product Name: PIP5KI gamma (PIP5K1C) (NM 001195733) Human Tagged ORF Clone Lentiviral Particle

Symbol: PIP5K10

Synonyms: LCCS3; PIP5K-GAMMA; PIP5K1-gamma; PIP5Kgamma

**Mammalian Cell** 

Selection:

Puromycin

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK

**ACCN:** NM\_001195733

ORF Size: 1920 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC231345).

Sequence:

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**RefSeg:** NM 001195733.1

 RefSeq ORF:
 1923 bp

 Locus ID:
 23396

 UniProt ID:
 060331

 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





## PIP5KI gamma (PIP5K1C) (NM\_001195733) Human Tagged ORF Clone Lentiviral Particle – RC231345L3V

**MW:** 70.7 kDa

**Gene 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]