

Product datasheet for **RC215828L2V**

PIP5KI gamma (PIP5K1C) (NM_012398) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PIP5KI gamma (PIP5K1C) (NM_012398) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PIP5KI gamma
Synonyms:	LCCS3; PIP5K-GAMMA; PIP5K1-gamma; PIP5Kgamma
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_012398
ORF Size:	2004 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215828).
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.
RefSeq:	NM_012398.1
RefSeq Size:	5047 bp
RefSeq ORF:	2007 bp
Locus ID:	23396
UniProt ID:	O60331
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome



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Protein Pathways:	Endocytosis, Fc gamma R-mediated phagocytosis, Focal adhesion, Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system, Regulation of actin cytoskeleton
MW:	73.1 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]