

Product datasheet for **RC223713L4V**

PIP5K1 beta (PIP5K1B) (NM_003558) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PIP5K1 beta (PIP5K1B) (NM_003558) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PIP5K1 beta
Synonyms:	MSS4; STM7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003558
ORF Size:	1620 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223713).
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_003558.1
RefSeq Size:	2764 bp
RefSeq ORF:	1623 bp
Locus ID:	8395
UniProt ID:	O14986
Cytogenetics:	9q21.11
Domains:	PIP5K
Protein Families:	Druggable Genome



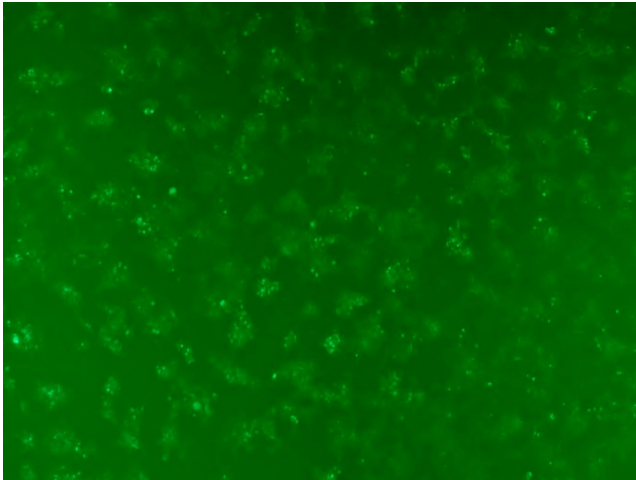
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Protein Pathways: Endocytosis, Fc gamma R-mediated phagocytosis, Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system, Regulation of actin cytoskeleton

MW: 60.9 kDa

Gene Summary: Participates in the biosynthesis of phosphatidylinositol 4,5-bisphosphate. Mediates RAC1-dependent reorganization of actin filaments. Contributes to the activation of PLD2. Together with PIP5K1A is required after stimulation of G-protein coupled receptors for stable platelet adhesion (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



[RC223713L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC223713L4V particle to overexpress human PIP5K1B-mGFP fusion protein.