

Product datasheet for RC215828L1

OriGene Technologies, Inc.

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PIP5KI gamma (PIP5K1C) (NM_012398) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PIP5KI gamma (PIP5K1C) (NM_012398) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: PIP5KI gamma

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

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

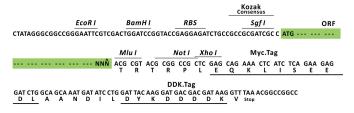
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC215828).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_012398

ORF Size: 2004 bp





PIP5KI gamma (PIP5K1C) (NM_012398) Human Tagged Lenti ORF Clone - RC215828L1

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.

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: 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: <u>NM 012398.1</u>

 RefSeq Size:
 5047 bp

 RefSeq ORF:
 2007 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

MW: 73.1 kDa

Gene Summary: This locus encodes a type I phosphatidylinositol 4-phosphate 5-kinase. The encoded protein

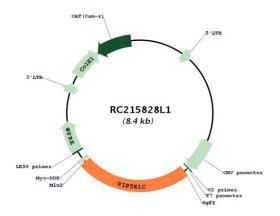
catalyzes phosphorylation of phosphatidylinositol 4-phosphate, producing

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

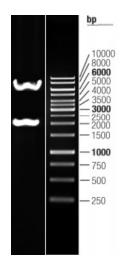
with lethal congenital contractural syndrome. Alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Sep 2010]



Product images:



Circular map for RC215828L1



Double digestion of RC215828L1 using Sgfl and Mlul