

Product datasheet for RC207837

PIP5KL1 (NM_173492) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIP5KL1 (NM_173492) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PIP5KL1
Synonyms:	PIPKH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207837 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGAGCGTCTTCTACCCCGCCGGCCGCATCTCCGAGAGGTATGACATCAAAGGCTGCGAGGTGAGCC
GCTGGGTGGATCCCGCCCTGAGGGCAGCCCCCTGTTCTGGTGTGAAGGACCTCAACTTTCAGGGCAA
GACCATCAACCTGGGGCCCAGCGGAGCTGGTTCCTCCGCCAGATGGAAGTGGATACCACCTTCTCCGG
GAGCTCAACGTGTGGATTACAGCCTCCTGATAGCCTTCCAACGTCTCCACGAGGATGAGAGGGGCCGG
GCAGCAGCCTCATCTTCCGCACGGCCAGGTCTGTGCAAGGGGCACAGAGCCGGAAGAGTCGAGAGCCCA
AAACCGCCGGCTGCTGCCGACGCCCAACGCCCTACACATCCTGGACGGGCCGAGCAGCGCTATTTT
CTGGGCGTCGTGGATCTCGCCACAGTCTACGGGCTCCGCAAGCGGCTGGAGCACCTGTGGAAGACTGC
GCTACCCAGGCCGACCTTCTCCACTGTGAGCCGGCTCGCTACGCCCTCGCCTCTGCCAGTGGGTGGA
GGCGCACACGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC207837 protein sequence Red=Cloning site Green=Tags(s)
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MQSVFYFAGRISERYDIKGCEVSRWVDPAPGSPVLVLKDLNFGQKTNLGPQRSWFLRQMELDTTFLR
ELNVLDSYLLIAFQRLHEDERGPSSLI FRTARSVQGAQSPEESRAQNRLLPDAPNALHILDGPEQRYF
LGVVDLATVYGLRKRLEHLWKTLRYPGRTFSTVSPARYARRLCQWVEAHT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mk6087_e06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173492

ORF Size: 573 bp

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: [NM_173492.1](#), [NP_775763.1](#)

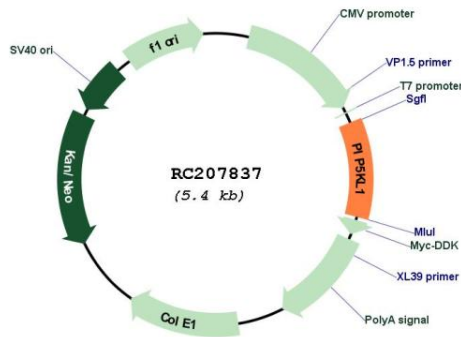
RefSeq Size: 1131 bp

RefSeq ORF: 576 bp

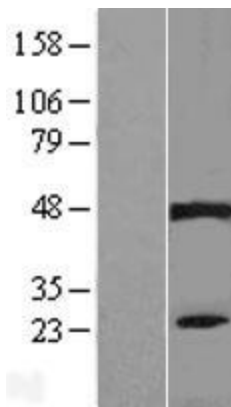
Locus ID: 138429

UniProt ID: [Q5T9C9](#)
 Cytogenetics: 9q34.11
 Protein Families: Druggable Genome
 MW: 22 kDa
 Gene Summary: PIP5KL1 is a phosphoinositide kinase-like protein that lacks intrinsic lipid kinase activity but associates with type I PIPKs (see PIP5K1A; MIM 603275) and may play a role in localization of PIPK activity (Chang et al., 2004 [PubMed 14701839]).[supplied by OMIM, Jun 2009]

Product images:



Circular map for RC207837



Western blot validation of overexpression lysate (Cat# [LY406338]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207837 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).