

Product datasheet for MR217773

Plpp5 (NM_028000) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plpp5 (NM_028000) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plpp5
Synonyms:	1810019D05Rik; 2310022A04Rik; AW045471; Ppapdc1; Ppapdc1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217773 representing NM_028000 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACGGCGCCCTGGGAGCCGAGCTGGGCGTGCGGGTCCTGCTCTTTGTGGCTTCTCCTGGTGACCG
AGCTGCTCCCTCCCTTCCAGCGGCGGATCCAGCCCGAGGAGCTGTGGCTCTACAGGAACCCGTACGTGGA
GGCGGAATACTTCCCACCGCCGCATGTTTGTTCATTGCCTTCTCACTCCACTGTCCTGATCTTCTCCT
GCCAAGTTTCTAAGGAAAGCTGACGCTACCGACAGCAAGCAAGCCTGCCTCGCTGCCAGCCTTGCCTAG
CTCTGAATGGTGTCTTTACCAACATAATCAAAGTATAGTGGCAGGCCCGCCAGACTTCTTCTACCG
CTGCTTCCCTGATGGGCTGGCCATTCTGATCTGACGTGCACGGGGACGAGGATGTGGTGAACGAGGGC
CGAAAGAGCTTCCCAGTGGACATTCTTCTTTGCATTTGCTGGTCTGGCCTTTGCTTCTTCTACCTGG
CAGGGAAGTTACTGCTTACGCCACAAGGCCGAGGGAAGTCTGGAGGCTCTGTGCCTTCTGTCACT
TTACTCTTTGCAGCCGTGATTGCACTGTCCCACGCTGTGACTACAAGCACCCTGGCAAGATGTGCTA
GTTGGCTCCATGATTGGAATGACATTTGCCTATGTCTGTACAGGCAGTACTACCCCTCTGACTGACG
TAGAGTGCCATAAACATTTTCAGGACAAGCACAACCTTCCGTCTCACAGAAGCCAGTGAAGTGCACCA
TTTGGAAATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR217773 representing NM_028000
Red=Cloning site Green=Tags(s)

MGTAALGAELGVRVLLFVAFVTELLPPFQRRIQPEELWLYRNPYVEAEYFPTGRMFVIAFLTPLSLIFL
 AKFLRKADATDSKQACLAASLALALNGVFTNIIKLIIVGRPRPDDFYRCFPDGLAHSDLTCTGDEDVNEG
 RKSFPSPGHSSFAFAGLAFASFYLAGKLHCFTPQGRGKSWRLCAFLSPLLFAAVIALSRTCDDYKHHWQDVL
 VGSIMGMTFAYVCYRQYYPPLTDVECHKPFQDKHKLPSQKPSSELHHLEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9078_h01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_028000

ORF Size: 783 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_028000.1](#), [NP_082276.1](#)

RefSeq Size: 1486 bp

RefSeq ORF: 783 bp

Locus ID: 71910

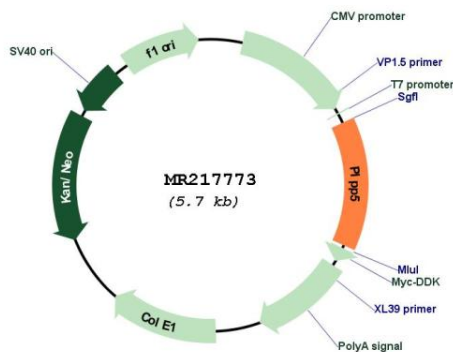
UniProt ID: [Q3UMZ3](#)

Cytogenetics: 8

MW: 29.2 kDa

Gene Summary: Displays magnesium-independent phosphatidate phosphatase activity in vitro. Catalyzes the conversion of phosphatidic acid to diacylglycerol (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217773