

Product datasheet for **MC226411**

Plpp5 (NM_001293703) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plpp5 (NM_001293703) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plpp5
Synonyms:	1810019D05Rik; 2310022A04Rik; AW045471; Ppapdc1; Ppapdc1b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC226411 representing NM_001293703 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACGGCGCCCTGGGAGCCGAGCTGGGCGTGCGGGTCTGCTCTTTGTGGCTTTCCTGGTGACCG
AGCTGCTCCCTCCCTCCAGCGGGGATCCAGCCGAGGAGCTGTGGCTCTACAGGAACCGTACGTGGA
GGCGGAATACTTCCCACCGGCCGATGTTTGTGATTGCCTTCTCACTCCACTGTCCTGATCTTCCTC
GCCAAGTTTCTAAGGAAAGCTGACGCTACCGACAGCAAGCAAGCCTGCCTCGCTGCCAGCCTTGCCCTAG
CTCTGAATGGTGTCTTTACCAACATAATCAAAGTATGAGTGGGACGGCCCGCCAGACTTCTTCTACCG
CTGCTTCCCTGATGGGCTGGCCATTCTGATCTGACGTGCACGGGGACGAGGATGTGGTGAACGAGGGC
CGAAAGAGCTTCCCAGTGGACATTCTTCTTTGCATTTGCTGGTCTGGCCTTTGCTTCTTCTACCTGG
CAGGGAAGTTACTGCTTACGCCACAAGGCCGAGGGAAGTCTGGAGGCTCTGTGCCTTCTGTCAACC
TTTACTCTTTCAGCCGTGATTGCACTGTCCCGCACGTGTGACTACAAGCACCCTGGCAAGGCTGGTAC
AAGGACATGCACAGATGCTCTCAGCTTTTATGAGGGTGTGGGGATT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001293703
Insert Size:	681 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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_001293703.1</u> , <u>NP_001280632.1</u>
RefSeq Size:	1569 bp
RefSeq ORF:	681 bp
Locus ID:	71910
Cytogenetics:	8
Gene Summary:	<p>Displays magnesium-independent phosphatidate phosphatase activity in vitro. Catalyzes the conversion of phosphatidic acid to diacylglycerol (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains an alternate exon in the 3' end compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.</p>