

## Product datasheet for MR204002

### Plpp6 (NM\_028922) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Plpp6 (NM_028922) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plpp6
Synonyms:	4932443D16Rik; Ppapdc2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204002 representing NM_028922 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCGAGCCCCGGAGGACCATCGAGGGACGGCCGCTGGGCTCCTCGGGCGGAAGCAGCGTCCCGGGCA  
GCCCGGCCACGGCGGTGGCAGCGGGCGGCAGGTTTCGAGTTCCAATCGCTGCTGAACTGCCGCGCGGG  
CGCGGACCCCGCTGCGCTCGGCTGCGCGCGTCCGACAGCCCGGTGCACCGGCGCGGCTCCTTCCCCTG  
GCCGCTCGGGCCCCGACAAGCAGCCCCGGCCCCCGCCGGAGGACGCCCGCATGAACCTGAACCCGT  
CCTTCTGGGCATCGCCCTGCGCTCCCTGCTGGCCATCGACCTGTGGCTGTCCAAGAAGCTGGGGGTGTG  
TGCTGGGGAGAGCTCGGCCTGGGGCAGCGTGGCGCCCTGATGAAGCTGCTGGAGATCTCAGGGCATGGC  
ATCCCCTGGCTGCTGGGCACCCTCTACTGCCTGCTTAGGAGCGACAGCTGGGCCGGCGCGAAGTGTGA  
TGAACCTGCTCTTCGCCCTGCTGTTGGACCTGCTGCTGGTAGCTGTGATTAAGGGCTGGTCCGCAGGCG  
CCGACCCGCGCACAATCAAAAGGACATGTTTTTACCCTCTCGGTGGACAGGTAATCCTTCCCTCGGGC  
CACGCCACGAGGGCCGCTGCTGTCGGGTTTATCCTAAACCACCTGGTACTGGCCATTCCTACTGAGGG  
TGCTGGTGGTCTGTGGGCTTCGCTCTGGGTCTCTAGGGTCATGCTCGGGCGGCACAACGCTACTGA  
TGTGGCTTTTGGCTTTTCTGGGCTACATGCAGTACAGCATTGTGGATTATTGCTGGCTGTACCCAC  
AATGTTCCAGTTCTTTTGTACTGTGGAATCAACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204002 representing NM\_028922  
 Red=Cloning site Green=Tags(s)

MPSPRRTIEGRPLGSSGGSSVPGSPAHHGGGSGGGRFEFQSLNCRAGADPACARLRASDSPVHRRGSFPL  
 AASGPAQAAPAPPEDARMNLNPSFLGIALRSLAIDLWL SKKLGVCAGESSAWGSVRPLMKLLEISGHG  
 IPWLLGTLYCLLRSDSWAGREVLNMLLFALLDLLLVAVIKGLVRRRRPAHNQKDMFFTLSDRYSPSPG  
 HATRAALVSRFILNHLVLAIPLRVLVVLWAFVLGLSRVMLGRHNVTDAFGFFLGYMQYSIVDYCWLSPH  
 NVPVLFVLWNQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_028922

**ORF Size:** 876 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\\_028922.3](#), [NP\\_083198.1](#)

**RefSeq Size:** 2880 bp

**RefSeq ORF:** 879 bp

**Locus ID:** 74411

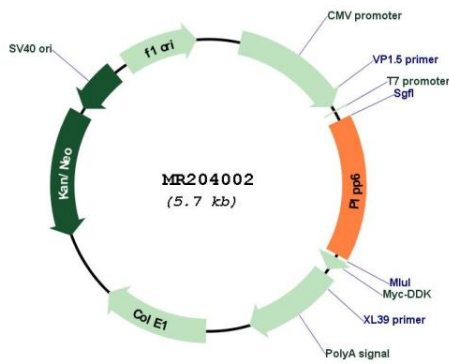
**UniProt ID:** [Q9D4F2](#)

**Cytogenetics:** 19 C1

**MW:** 32.2 kDa

**Gene Summary:** Phosphatase that dephosphorylates presqualene diphosphate (PSDP) into presqualene monophosphate (PSMP), suggesting that it may be indirectly involved in innate immunity. PSDP is a bioactive lipid that rapidly remodels to presqualene monophosphate PSMP upon cell activation. Displays diphosphate phosphatase activity with a substrate preference for PSDP > FDP > phosphatidic acid (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR204002