

## Product datasheet for MC208073

### Plpp6 (NM\_028922) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Plpp6 (NM\_028922) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Plpp6  
**Synonyms:** 4932443D16Rik; Ppapdc2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC208073 representing NM\_028922  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCGAGCCCCGGAGGACCATCGAGGGACGGCCGCTGGGCTCCTCGGGCGGAAGCAGCGTCCCGGGCA  
 GCCCGGCCACGGCGGTGGCAGCGGGCGGCGCAGGTTTCGAGTTCCAATCGCTGCTGAACTGCCGCGCGGG  
 CGCGGACCCCGCTGCGCTCGGCTGCGCGCGTCCGACAGCCCGGTGCACCGGCGCGGCTCCTTCCCGCTG  
 GCCGCTCGGGCCCCGACAAGCAGCCCCGGCCCCCGCCGGAGGACGCCCGCATGAACCTGAACCCGT  
 CCTTCTGGGCATCGCCCTGCGCTCCCTGCTGGCCATCGACCTGTGGCTGTCCAAGAAGCTGGGGGTGTG  
 TGCTGGGGAGAGCTCGGCCTGGGGCAGCGTGGCGCCCTGATGAAGCTGCTGGAGATCTCAGGGCATGGC  
 ATCCCCTGGCTGCTGGGCACCCTCTACTGCCTGCTTAGGAGCGACAGCTGGGCCGGGCGCGAAGTGTGA  
 TGAACCTGCTCTTCGCCCTGCTGTTGGACCTGCTGCTGGTAGCTGTGATTAAGGGCTGGTCCGACGGCG  
 CCGACCCGCGCACAATCAAAAGGACATGTTTTTACCCTCTCGGTGGACAGGTAATCCTTCCCTCGGGC  
 CACGCCACGAGGGCCGCTGCTGCGCGGTTTATCCTAAACCACCTGGTACTGGCCATTCACCTGAGGG  
 TGCTGGTGGTCTGTGGGCTTCGCTCTGGGTCTCTAGGGTCATGCTCGGGCGGCACAACGTCACTGA  
 TGTGGCTTTTGGCTTTTTCTGGGCTACATGCAGTACAGCATTGTGGATTATTGCTGGCTGTACCCAC  
 AATGTTCCAGTTCTTTTGTACTGTGGAATCAACAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_028922  
**Insert Size:** 879 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_028922.3</a> , <a href="#">NP_083198.1</a>
<b>RefSeq Size:</b>	2906 bp
<b>RefSeq ORF:</b>	879 bp
<b>Locus ID:</b>	74411
<b>UniProt ID:</b>	<a href="#">Q9D4F2</a>
<b>Cytogenetics:</b>	19 C1
<b>Gene Summary:</b>	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]