

Product datasheet for RN214851

Plpp6 (NM_001034854) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Plpp6 (NM_001034854) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Plpp6
 Synonyms: Ppapdc2
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >RN214851 representing NM_001034854
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGAGCCCCGGAGGACTATCGAGGGACGACCGCTAGGCTCCTCGGGCGGAAGCAGCGTCCCGGGCA
 GCCCGGCCACGGCGGGCGGGCGGGCGGCAGGGCAGGTTTCAGTTCAGTTCGCTGAGCTGCCGCTC
 GGGCGCGGACCCCGCTGCGCCCGGCTGCGCGCTCCGACAGCCCGGTGCATCGGCGGGCTCCTCCCG
 CTGGCTGCCGCTGCCCTGCACAAGTAGCTCCTGCCCCACGCCGGAGGACGCCGGCATGAACCTGAACC
 CGTCTTCTGGGCATCGCCCTGCGCTCCCTGCTGGCCATCGACCTGTGGCTGTCCAAGAAGCTGGGGT
 GTGTGCTGGGAGAGCTCGGCCTGGGGCAGCGTGCGGCCCTGATGAAGCTGCTGGAGATCTCAGGACAT
 GGCATCCCTGGTTGCTGGGCACCTCTACTGCCTGCTTAGGAGCGACAGCTGGGCCGGCGCGAAGTGC
 TGATGAACCTGCTCTTCGCCCTGCTGTTGGACCTACTGCTGGTGGCTGTGATTAAGGGTTGGTCCGCGAG
 GCGCCGACCGGCGCAATCAGATGGACATGTTTTTACCCTCTCGGTGGACAAGTACTCCTTTCCCTCG
 GGTGATGCCACGAGGGCCGCCCTGGTGTGCGGTTTCATCTGAACCACCTGGTACTGGCCATTCCACTGA
 GGGTGTGGTGGTCTGTGGGCTTCGTTGGGTCTCCAGGGTCATGCTTGGCGGCACAACGTGAC
 TGATGTGGCGTTTGGCTTTTTCTGGGCTACATGCAGTACAGCATTGTGGATTATTGCTGGCTGTACCC
 CTAATGTTCCAGTTCCTTTTGTACTGTGAATCAACAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001034854
 Insert Size: 882 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).
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:	NM_001034854.1 , NP_001030026.1
RefSeq Size:	2874 bp
RefSeq ORF:	882 bp
Locus ID:	619549
UniProt ID:	Q66H88
Cytogenetics:	1q52
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]