

Product datasheet for **SC308188**

PLPP6 (NM_203453) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLPP6 (NM_203453) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLPP6
Synonyms:	bA6J24.6; PDP1; PPAPDC2; PSDP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene ORF sequence for NM_203453 edited</p> <pre> ATGCCAAGTCCCCGGAGGAGCATGGAGGGACGGCCGCTGGGCGTCTCCGCTTCGAGCAGC AGCAGCAGCCCCGGCAGCCAGCCCATGGCGGCGGTGGCGGCGGCAGAGTTTGAGTTC CAGTCCCTGCTCAGCAGCCGCGCCACGGCCGTGGACCCACCTGCGCCCGCTCCGTGCA TCGGAGAGCCAGTTCACCGCCGCGGCTCCTTCCCCTGGCCGCGGCGGCCCTCGCAG TCGCCCCGCGCTCCGCTGCCCGAGGAGACCGCATGGACTTGAACCCGTCCTTCCCTGGG ATCGCCCTGCGCTCCCTGCTGGCCATCGACCTGTGGCTGTCCAAGAAGCTGGGGGTGTC GCGGGAGAGAGCTCGTCGTGGGGCAGCGTGCACCCCTTATGAAGCTGCTGGAGATCTCG GGACACGGCATCCCCTGGCTGCTGGGCACCCTCTACTGCCTGTGCAGGAGCGACAGCTGG GCCGGGCGGAGGTGCTGATGAACCTGCTCTTCGCCCTGCTGTTGGACCTGCTGCTGGT GCCTTGATCAAAGGGCTGGTCCGAGGGCCGCCCGGCCACAACCAGATGGACATGTTT GTCACTCTCTCGGTGGACAAGTACTCCTTCCCCTCGGGCCATGCCACAAGGGCCGCCCTG ATGTGAGGTTTATCCTGAACCCTGGTGTGGCCATTCCACTGAGGGTGTGGTGGTT CTGTGGGCCTTCTGCTTGGGCCTATCCAGGGTCATGCTGGGGCGGCACAATGTCACCGAC GTAGCTTTTGGCTTTTTTCTGGGCTACATGCAGTACAGCATCGTGGACTATTGCTGGCTC TCACCCATAATGCTCCGGTCCTTTTTACTGTGGAGTCAACGATGA </pre>



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_203453 unedited NGTTCAAGTTCAGCATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCT GTTTGGTCCGGCCAGGTCCCGGGATCCGGGCCGCCAGCTGCGATGCCAAGTCCCCGGAGG AGCATGGAGGGACGGCCGCTGGGCGTCTCCGCTTCGAGCAGCAGCAGCAGCCCCGGCAGC CCAGCCCATGGCGGCGGTGGCGGCCGAGCAGGTTTGGATTCCAGTCCCTGCTCAGCAGC CGCGCCACGGCCGTGGACCCACCTGCGCCCGGCTCCGTGCATCGGAGAGCCCAAGTTCAC CGCCGCGGCTCCTTCCCCTGGCCGCGGGCCCTCGCAGTCGCCCGCGCTCCGCTG CCCGAGGAGGACCGCATGGACTTGAACCGTCCTTCTGGGCATCGCCCTGCGCTCCCTG CTGGCCATCGACCTGTGGCTGTCCAAGAAGCTGGGGTGTGCGCGGAGAGAGCTCGTCG TGGGGCAGCGTGCACCCCTTATGAAGCTGCTGGAGATCTCGGGACACGGCATCCCTGG CTGCTGGGCACCCTCTACTGCCTGTGCAGGAGCGACAGCTGGGCCGGGCGGAGGTGCTG ATGAACCTGCTCTTCCGCTGCTGTTGGACCTGCTGCTGGTGGCCTTGATCAAAGGGCTG GTCGCGAGGCGCCCGCCGCCACAACCAGATGGACATGTTTGTACTCTCTCGTGGAC AAGTACTCCTTCCCCTCGGGCCATGCCACAAGGGCCGCCCTGATGTCGAGGTTTCATCTG AACCACTGGTGTGGGCCATTCCACTGAGGTGCTGGTGGTTCTGTGNGCCTTCGTCTTG GGCTATCCAGGGTCATGCTGGNGCNGGCACATGTCACCGACGTAGCTTTTG
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_203453 unedited CATTGGNGAATGGCACTTTCCAGNCCAGNAAAGCACTGGGGNAGGGTCACAGGGATGCC ACCCGGGATCTGTTCAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTT TTTTTTTTTTTTTTTTACCATTATTTGTTAATTTTATTTTGATTTTTAAAAGGCATTAT TCAGTGTACAATTAACAAAGAAATCAGTTTTCTACTCTACTGTACTTAGGATGCTTCAA AACATCAGGTGAAATGATCTATGCTTTAAGAGCCAGAAAACCTCAGGCCTCAGCACTAAA ACAGAGAATTCCAAAATTGTAATTACAAATCAGATGGTAAGCCTAATTTTCATGCCCTAA TATTCAGATTTGTGGACTGCAAGAGGAAATATCATTGCTTCCAAATATCTGGCTTGA ATATTGCTGCAGTTAAAGGATCTCGCTAAGGTTAAACAACAAACCCAAACCACTTAGAGC TTCACAGTTTAGCTGCTTTAGCAAGTGAAGAGGTAGTCGGTATTCAGGATGCTGTGGAA TGCAAATGATTTGATTTTGGAGCATGGCTGTTCTTTTTCTACTATGCCCTCACTCTGAA CAAGCTCATGCTTTCCTCAATCAAACCTACTTATCACAGCCGTTCTCCAGGTTCCGAA CCTCCGTATGGCAGATCAAAGTCCATAATCATTCTATTTATAAATGCCAAAATAGTCAT TAAGATTATCTGAGGACATCACTTTCATAGGTAATTTAAAAGGATTTCTTTTCAGGTAGA GCAGACTTAAAGCACATACCTTCTCCAGTCTTCTGGGTCAAAGAATATGAGCAGAGTC CACCCTGCGTTTTGGTGGTCTTTGGTCTTATGATTGG
Restriction Sites:	Please inquire
ACCN:	NM_203453
Insert Size:	3000 bp
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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_203453.2](#), [NP_982278.3](#)

RefSeq Size: 3023 bp

RefSeq ORF: 888 bp

Locus ID: 403313

UniProt ID: [Q8IY26](#)

Cytogenetics: 9p24.1

Protein Families: Transmembrane

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.[UniProtKB/Swiss-Prot Function]