

Product datasheet for **RG206112**

PLPP6 (NM_203453) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLPP6 (NM_203453) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PLPP6
Synonyms:	bA6J24.6; PDP1; PPAPDC2; PSDP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206112 representing NM_203453 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAAGTCCCCGGAGGAGCATGGAGGGACGGCCGCTGGGCGTCTCCGCTTCGAGCAGCAGCAGCAGCC
CCGGCAGCCAGCCCATGGCGCGGTGGCGGGCAGCAGGTTTGAGTTCAGTCCCTGCTCAGCAGCCG
CGCCACGGCCGTGGACCCACCTGCGCCCGCTCCGTGCATCGGAGAGCCAGTTCACCGCCGGGCTCC
TCCCCCTGGCCGCGCGGCCCTCGCAGTCGCCCGCCTCCGCTGCCGAGGAGACCAGCATGGACT
TGAACCCGTCCTTCTGGGCATCGCCCTGCGCTCCCTGCTGGCCATCGACCTGTGGCTGTCCAAGAAGCT
GGGGTGTGCGCGGAGAGAGCTCGTCGTGGGACGCGTGCACCCCTTATGAAGCTGCTGGAGATCTGG
GGACACGGCATCCCTGGCTGCTGGGCACCTCTACTGCCTGTGCAGGAGCGACAGCTGGCCGGGCGCG
AGGTGCTGATGAACCTGCTCTTCGCCCTGCTGTTGGACCTGCTGCTGGTGGCCTTGATCAAGGGCTGGT
CCGAGGCGCCGCGCCGCCCACAACAGATGGACATGTTTGTCACTCTCTCGGTGGACAAGTACTCCTTC
CCCTCGGGCCATGCCACAAGGGCCGCCCTGATGTCGAGGTTTCCTGAACCACTGGTGTGGCCATTC
CACTGAGGGTGTGGTGGTCTGTGGCCCTTCGCTTGGGCTATCCAGGGTCATGCTGGGGCGGCACAA
TGTCACCGACGTAGCTTTTGGCTTTTTTCTGGGCTACATGCAGTACAGCATCGTGGACTATTGCTGGCTC
TACCCCATATGCTCCGGTCCCTTTTTACTGTGGAGTCAACGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206112 representing NM_203453
 Red=Cloning site Green=Tags(s)

MPSPRRSMEGRPLGVSASSSSSSPGSPAHHGGGGGSRFEFQSLLSSRATAVDPTCARLRASESPVHRRGS
 FPLAAAGPSQSPAPPLPEEDRMDLNPSFLGIALRSLAIDLWLSKKLGVCAGESSSWGSRPLMKLLEIW
 GHGIPWLLGTLYCLCRSDSWAGREVLNMLLFFALLDLLLVALIKGLVRRRRPAHNQDMFVTLSDVKYSF
 PSGHATRAALMSRFILNHLVLAIPLRVLVVLWAFVLGLSRVMLGRHNVTDAVFGFFLGYMQYSIVDYCWL
 SPHNAPVLFLLWSQR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_203453

ORF Size: 885 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_203453.1](#)

RefSeq Size: 3023 bp

RefSeq ORF: 888 bp

Locus ID: 403313

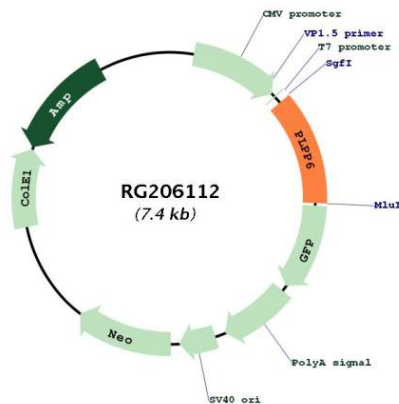
UniProt ID: [Q8IY26](#)

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]

Product images:



Circular map for RG206112