

## Product datasheet for SC317319

### PPAPDC1B (PLPP5) (NM\_032483) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPAPDC1B (PLPP5) (NM_032483) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLPP5
Synonyms:	DPPL1; HTPAP; PPAPDC1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317319 representing NM_032483. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGAAGGCGGCGCGCGGTGGCCTTTGGGCGGAAGTGGGCGTGCGGCTCGCGCTGTTTCGCGGCC
TTCCTGGTGACGGAGCTGCTCCCCCGTTCCAGAGACTCATCCAGCCGGAGGAGATGTGGCTCTACCGG
AACCCCTACGTGGAGGCGGAGTATTTCCCAAGCCGATGTTTGTATTGCATTTCTCTCCACTG
TCTCTGATCTTCCCTGGCCAAATTTCTCAAGAAGGCAGACACAAGAGACAGCAGACAAGCCTGCCTGGCT
GCCAGCCTTGGCCTGGCTCTGAATGGCGTCTTTACCAACAATAAACTGATCGTAGGGAGGCCACGC
CCAGATTTCTTCTACCGCTGCTTCCCTGATGGGCTAGCCATTCTGACTTGATGTGTACAGGGGATAAG
GACGTGGTGAATGAGGGCCGAAAGAGCTTCCCCAGTGGACATTCTTCTTGCATTTGCTGGTCTGGCC
TTTGCCTCCTTCTACCTGGCAGGGAAGTTACACTGCTTACACCAACAAGGCCGTGGGAAATCTTGGAGG
TTCTGTGCCTTTCTGTACCTCTACTTTTTGCAGCTGTGATTGCACTGTCCCGCACATGTGACTACAAG
CATCACTGGCAAGGACCCTTAAATGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_032483
Insert Size:	651 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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<u><a href="#">NM_032483.3</a></u>
<b>RefSeq Size:</b>	880 bp
<b>RefSeq ORF:</b>	651 bp
<b>Locus ID:</b>	84513
<b>UniProt ID:</b>	<u><a href="#">Q8NEB5</a></u>
<b>Cytogenetics:</b>	8p11.23
<b>Domains:</b>	acidPPc
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	24.1 kDa
<b>Gene Summary:</b>	<p>Displays magnesium-independent phosphatidate phosphatase activity in vitro. Catalyzes the conversion of phosphatidic acid to diacylglycerol. May be a metastatic suppressor for hepatocellular carcinoma.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) has a different exon a the 3' terminus, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p>