

Product datasheet for SC316902

PPAPDC1B (PLPP5) (NM_001102560) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPAPDC1B (PLPP5) (NM_001102560) 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:	>SC316902 representing NM_001102560. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGAAGGCGGCGCGCGGTGGCCTTTGGGCGCAAGTGGGCGTGCGGCTCGCGCTGTTTCGCGGCC
TTCCTGGTGACGGAGCTGCTCCCCCGTCCAGAGACTCATCCAGCCGGAGGAGATGTGGCTCTACCGG
AACCCCTACGTGGAGGCGGAGTATTTCCCAAGCCGATGTTTGTATTGCATTTCTCTCCACTG
TCTCTGATCTTCCGGCCAAATTTCTCAAGAAGGCAGACACAAGAGACAGCAGACAAGCCTGCCTGGCT
GCCAGCCTTGCCTGGCTCTGAATGGCGCTTTACCAACAATAAAACTGATCGTAGGGAGGCCACGC
CCAGATTTCTTACCGCTGCTCCCTGATGGGCTAGCCATTCTGACTTGATGTGTACAGGGGATAAG
GACGTGGTGAATGAGGGCCGAAAGAGCTTCCCCAGTGGACATTCTCCTGTATGAATATCATATGGACT
CTACCCTATGCTTGTTCACATCATTGAATTTAACCTAGAAAAGCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI

Plasmid Map:

ACCN: NM_001102560

Insert Size: 531 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).



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OTI Annotation:	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.
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_001102560.1
RefSeq Size:	776 bp
RefSeq ORF:	531 bp
Locus ID:	84513
UniProt ID:	Q8NEB5
Cytogenetics:	8p11.23
Protein Families:	Transmembrane
MW:	19.7 kDa
Gene Summary:	<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 (3) uses an alternate splice site in the 3' coding region and lacks multiple exons, compared to variant 1. The encoded isoform (3) is shorter and has a distinct C-terminus, compared to isoform 1.</p>