

Product datasheet for **SC302504**

PPAPDC1A (PLPP4) (NM_001030059) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPAPDC1A (PLPP4) (NM_001030059) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPAPDC1A
Synonyms:	DPPL2; PPAPDC1; PPAPDC1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302504 representing NM_001030059. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCGGGAGCTGGCCATTGAGATCGGGGTGCGAGCCCTGCTCTTCGGAGTCTTCGTTTTACAGAGTTT
TTGGATCCGTTCCAGAGAGTCATCCAGCCAGAAGAGATCTGGCTCTATAAAATCCTTTGGTGCAATCA
GATAACATACCTACCGCCTCATGTTTGCAATTTCTTTCCTCACACCCCTGGCTGTTATTTGTGTGGTG
AAAATTATCCGGCGAACAGACAAGACTGAAATTAAGGAAGCCTTCTTAGCGGTGTCCTTGCTCTTGCT
TTGAATGGAGTCTGCACAAACACTATTAATTAATAGTGGGAAGACCTCGCCCCGATTTCTTTTACCGC
TGCTTTCCAGATGGAGTGATGAATCGGAAATGCATTGCACAGGTGACCCCGATCTGGTGTCCGAGGGC
CGCAAAAGCTTCCCCAGCATCCATTCTCCTTTGCCTTTTCGGGCCTTGGCTTCACGACGTTCTACTTG
GCGGGCAAGCTGCACTGCTTCACCGAGAGTGGGCGGGGAAAGAGCTGGCGGCTCTGTGCTGCCATCTG
CCCTTGTAAGTGCATGATGATTGCCCTGTCCCGCATGTGCGACTACAAGCATCACTGGCAAGATTCC
TTTGTGGGTGGAGTCATCGGCCTCATTTTGCATACATTTGCTACAGACAGCACTATCCTCCTTGCC
AACACAGCTTGCCATAAACCTACGTTAGTCTGCGAGTCCCAGCCTCACTGAAGAAAGAGGAGAGGCC
ACAGCTGACAGCGCACCCAGCTTGCTCTGGAGGGGATCACCGAAGGCCCGGTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001030059
Insert Size:	816 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).
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:	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:	<u>NM_001030059.2</u>
RefSeq Size:	1543 bp
RefSeq ORF:	816 bp
Locus ID:	196051
UniProt ID:	<u>Q5VZY2</u>
Cytogenetics:	10q26.12
Protein Families:	Transmembrane
MW:	30.4 kDa
Gene Summary:	Displays magnesium-independent phosphatidate phosphatase activity in vitro. Catalyzes the conversion of phosphatidic acid to diacylglycerol.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).