

## Product datasheet for RC222069

### PPAPDC1B (PLPP5) (NM\_001102559) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PPAPDC1B (PLPP5) (NM\_001102559) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** PPAPDC1B  
**Synonyms:** DPPL1; HTPAP; PPAPDC1B  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC222069 representing NM\_001102559  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGAAGGCGGCGCGGCGGTGGCCTTTGGGGCCGAAGTGGGCGTGCGGCTCGCGCTGTTGCGGGCCT  
 TCCTGGTGACGGAGCTGCTCCCCCGTTCCAGAGACTCATCCAGCCGGAGGAGATGTGGCTCTACCGAA  
 CCCCTACGTGGAGGCGGAGTATTTCCCACCAAGCCGATGTTTGTATTGCATTTCTCTCCACTGTCT  
 CTGATCTTCTGGCCAAATTTCTCAAGAAGGCAGACACAAGAGACAGCAGACAAGCCTGCCTGGCTGCCA  
 GCCTTGCCCTGGCTCTGAATGGCGTCTTACCAACACAATAAACTGATCGTAGGGAGGCCACGCCCAGA  
 TTTCTTCTACCGCTGCTTCCCTGATGGGCTAGCCATTCTGACTTGATGTGTACAGGGGATAAAGGACGTG  
 GTGAATGAGGGCCGAAAGAGCTTCCCCAGTGGACATTCTTCTTTGCATTTGCTGGTCTGGCCTTTGCGT  
 CTTTCTACCTGGCAGGAAGTTACACTGCTTACACCACAAGGCCGTGGGAAATCTTGGAGGTTCTGTGC  
 CTTTCTGTACCTTACTTTTTGCAGCTGTGATTGCACTGTCCCACATGTGACTACAAGCATCACTGG  
 CAAGATGTACTAGTTGGATCCATGATTGGAATGACATTTGCCATGTCTGCTATCGGCAGTATTATCCTC  
 CTCTGACTGATGCAGAATGCCATAAACCATTTCAAGACAACTTGTACTTCCACTGCACAGAAGCCTGG  
 GATTCTTATTGTTTTGATATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC222069 representing NM\_001102559  
 Red=Cloning site Green=Tags(s)

MGKAAAFAVGAIEVGVRLALFAAFLVTELLPPFQRLIQPEEMWLYRNPYVEAEYFPTKPMFVIAFLSPLS  
 LIFLAKFLKKADTRDSRQACLAASLALALNGVFTNTIKLIVGRPRPDDFYRCFPDGLAHSMLMCTGDKDV  
 VNEGRKSFPSGHSSFAFAGLAFASFYLAGKLHCFTPQGRGKSWRFCAFLSPLLFAAVIALSRTC DYKHHW  
 QDVLVGSIMIGMTFAYVCYRQYYPLTDAECHKPFQDKLVLSTAQKPGDSYCFDI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001102559

**ORF Size:** 792 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\\_001102559.2](#)

**RefSeq Size:** 2151 bp

**RefSeq ORF:** 795 bp

**Locus ID:** 84513

**UniProt ID:** [Q8NEB5](#)

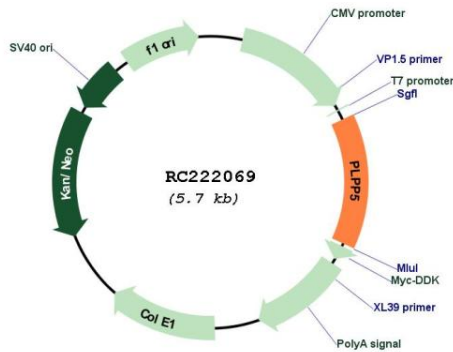
**Cytogenetics:** 8p11.23

**Protein Families:** Transmembrane

**MW:** 29.3 kDa

**Gene Summary:** 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]

**Product images:**



Circular map for RC222069