

Product datasheet for **SC109963**

PPAP2C (PLPP2) (NM_003712) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPAP2C (PLPP2) (NM_003712) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPAP2C
Synonyms:	LPP2; PAP-2c; PAP2-g; PPAP2C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003712 edited
 GAATTCGGCACGAGGGGACCATGCAGCGGAGGTGGGTCTTCGTGCTGCTCGACGTGCTGT
 GCTTACTGGTCGCCTCCCTGCCCTTCGCTATCCTGACGCTGGTGAACGCCCGTACAAGC
 GAGGATTTTACTGCGGGGATGACTCCATCCGGTACCCCTACCGTCCAGATACCATCACCC
 ACGGGCTCATGGCTGGGGTACCATCACGGCCACCGTCATCCTTGTCTCGGCCGGGGAAG
 CCTACCTGGTGTACACAGACCGGCTCTATTCTCGCTCGGACTTCAACAACTACGTGGCTG
 CTGTATACAAGGTGCTGGGGACCTTCCTGTTTGGGGCTGCCGTGAGCCAGTCTCTGACAG
 ACCTGGCCAAGTACATGATTGGGGCTCTGAGGCCAACTCCTAGCCGTCTGCGACCCCG
 ACTGGAGCCGGTCAACTGCTCGGTCTATGTGCAGCTGGAGAAGGTGTGCAGGGGAAACC
 CTGCTGATGTACCGAGGCCAGGTGTCTTTCTACTCGGGACACTTTCCTTTGGGATGT
 ACTGCATGGTGTCTTGGTGCTGTATGTGCAGGCACGACTCTGTTGGAAGTGGGCACGGC
 TGCTGCGACCCACAGTCCAGTTCCTCCTGGTGGCCTTTGCCCTCTACGTGGGCTACACCC
 GCGTGTCTGATTACAAACACCACTGGAGCGATGTCCTTGTGGCCTCCTGCAGGGGGCAC
 TGGTGGCTGCCCTCACTGTCTGCTACATCTCAGACTTCTTCAAAGCCCGACCCACAGC
 ACTGTCTGAAGGAGGAGGAGCTGGAACGGAAGCCAGCCTGTCACTGACGTTGACCCCTGG
 GCGAGGCTGACCACAACCACTATGGATACCCGCACTCCTCCTCCTGAGGCCGGACCCCGC
 CCAGGCAGGGAGCTGCTGTGAGTCCAGCTGAGGCCACCCAGGTGGTCCCTCCAGCCCTG
 GTTAGGCACTGAGGGCTCTGGACGGGCTCCAGGAACCTGGGCTGATGGGAGCAGTGAGC
 GGGCTCCGCTGCCCTGCCCTGCACTGGACCAGGAGTCTGGAGATGCCTGGGTGGCCCT
 CAGCATTTGGAGGGAACTGTTCCCGTCCGTCGCCAAATATCCCTTCTTTTTATGGGG
 TTAAGGAAGGACCGAGAGATCAGATAGTTGCTGTTTTGTAATAATGTAATGTATATGTGG
 TTTTTAGTAAATAGGGCACCTGTTTCACAAAAAATAAAAAAAAAAAAAAATACTCGAC



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003712 unedited
 TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGACCATGCAGCGGAG
 GTGGGTCTTCGTGCTGCTCGACGTGCTGTGCTTACTGGTCGCCTCCCTGCCCTTCGCTAT
 CCTGACGCTGGTGAACGCCCCGTACAAGCGAGGATTTTACTGCGGGATGACTCCATCCG
 GTACCCCTACCGTCCAGATACCATCACCCACGGGCTCATGGCTGGGGTCAACATCACGGC
 CACCGTCATCCTTGTCTCGGCCGGGAAGCCTACCTGGTGTACACAGACCGGCTCTATTC
 TCGCTCGGACTTCAACAACACTACGTGGCTGCTGTATACAAGGTGCTGGGGACCTTCCTGTT
 TGGGGCTGCCGTGAGCCAGTCTCTGACAGACCTGGCCAAGTACATGATTGGGCGTCTGAG
 GCCCAACTTCTAGCCGTCTGCGACCCGACTGGAGCCGGGTCAACTGCTCGGTCTATGT
 GCAGCTGGAGAAGGTGTGCAGGGGAAACCCTGCTGATGTCACCGAGGCCAGGTTGTCTTT
 CTACTCGGGACACTCTTCTTTGGGATGTACTGCATGGTGTCTTGGTGTGTATGTGCA
 GGCACGACTCTGTTGGAAGTGGGCACGGCTGCTGCGACCCACAGTCCAGTTCTTCTGGT
 GGCCTTTGCCCTTACGTGGGCTACCCCGCGTGTCTGATTACAAACACCACTGGAGCGA
 TGTCTTTGGTGGCTCCTGGCAGGGGCACTGGGTGGCTGCCCTCACTGTCTGTACAT
 CTCAAACCTTCTCAAAGCCCGACCCACAGCACTGTCTTGAAGGGAGGAGGAGCTGGNA
 CGGNAAGCCACCTGTCACTGACGGTGACCCTGGGCGAGGCTGACCACAACACTATTGAT
 ACCCGCACTNCTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003712 unedited
 TGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTGAAACAGGTGCC
 TATTTTACTAAAAACCATATACATTATTTTACAAAACAGCAACTATCTGATCTCTC
 GGTCCCTTCTTAACCCATAAAAAGAAGGGGATATTTGGGACCGACGGGAACAGGTT
 CCCTCAAATGCTGAGGGCCACCAGGCATCTCCAGACTCCTGGTCCAGTGCAGGGCAGG
 GGGCAGCGGAGCCGCTCACTGCTCCCATCAGCCAGGGTTCTGGAGCCGTCAGAGC
 CCTCAGTGCCTAACCCAGGGCTGGAGGGACACCTGGGTGGGCCTCAGCTGGACTCACAGC
 AGCTCCCTGCCTGGGCGGGTCCGGCCTCAGGAGGAGGAGTGCGGGTATCCATAGTGGTT
 GTGGTCAGCCTCGCCAGGGTCAACGTCAGTGACAGGCTGGGCTTCCGTTCCAGCTCCTC
 CTCCTTACAGACAGTGTGTGGGGTTCGGGCTTGAAGAAGTCTGAGATGTAGCAGACAGT
 GAGGGCAGCCACCAGTGGCCCTGCAGGAGGCCAACAAGGACATCGCTCCAGTGGTGT
 GTAATCAGACACGCGGTGTAGCCACGTAGAGGGCAAAGGCCACCAGGAAGAAGTGGAC
 TGTGGTTCGACGAGCCGTGCCACTTCCAACAGAGTCTGCTGCACATACAGCACCAA
 GAACACCATGCAGTACATCCCAAAGGAAGAGTGTCCCGAGTATAAAGACAACCTGGCCCT
 GGTGACATCAGCAGGGTTNCTTGCACACCTTCTTACAGTGCACATAGACCGACCAAGT
 GACCCGCTTCAATCCGGGTGCAAAACAGCTAGAAAGNTTGGCCTCAAACCCCAATCATG
 TACTGTGCCAGGTCTGTCAAAAAGTCTTACGGAAGCCCAAAGAAAGGTCCAN

Restriction Sites:

NotI-NotI

ACCN:

NM_003712

Insert Size:

1260 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).

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_003712.2 , NP_003703.1
RefSeq Size:	1327 bp
RefSeq ORF:	867 bp
Locus ID:	8612
UniProt ID:	O43688
Cytogenetics:	19p13.3
Domains:	acidPPc
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transmembrane
Protein Pathways:	Ether lipid metabolism, Fc gamma R-mediated phagocytosis, Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Sphingolipid metabolism
Gene Summary:	<p>The protein encoded by this gene is a member of the phosphatidic acid phosphatase (PAP) family. PAPs convert phosphatidic acid to diacylglycerol, and function in de novo synthesis of glycerolipids as well as in receptor-activated signal transduction mediated by phospholipase D. This protein is similar to phosphatidic acid phosphatase type 2A (PPAP2A) and type 2B (PPAP2B). All three proteins contain 6 transmembrane regions, and a consensus N-glycosylation site. This protein has been shown to possess membrane associated PAP activity. Three alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) differs in the 5' region, including the 5' UTR and 5' coding region, as compared to variant 3. The resulting isoform (1) has a distinct and shorter N-terminus, as compared to isoform 3.</p>