

Product datasheet for **SC109964**

PPAP2C (PLPP2) (NM_177526) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPAP2C (PLPP2) (NM_177526) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPAP2C
Synonyms:	LPP2; PAP-2c; PAP2-g; PPAP2C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109964 sequence for NM_177526 edited (data generated by NextGen Sequencing) ATGGCTGGGGTCACCATCACGGCCACCGTCATCCTTGTCTCGGCCGGGAAGCCTACCTG GTGTACACAGACCGGCTCTATTCTCGCTCGGACTTCAACAACACTACGTGGCTGCTGTATAC AAGGTGCTGGGGACCTTCTGTTTGGGGCTGCCGTGAGCCAGTCTCTGACAGACCTGGCC AAGTACATGATTGGCGTCTGAGGCCAACTTCTAGCCGTCTGCGACCCGACTGGAGC CGGGTCAACTGCTCGGTCTATGTGCAGCTGGAGAAGGTGTGCAGGGGAAACCCTGCTGAT GTCACCGAGGCCAGGTTGCTTTCTACTCGGGACACTCTTCTTTGGGATGTAAGTGCATG GTGTTCTTGGCGCTGTATGTGCAGGCACGACTCTGTTGGAAGTGGGCACGGCTGCTGCGA CCCACAGTCCAGTTCTTCTGGTGGCCTTGGCCCTCTACGTGGGCTACACCCGCGTGTCT GATTACAAACACCACTGGAGCGATGTCCTTGTGGCCTCCTGCAGGGGGCACTGGTGGCT GCCCTCACTGTCTGCTACATCTCAGACTTCTTCAAAGCCCGACCCACACGCACTGTCTG AAGGAGGAGGAGCTGGAACGGAAGCCAGCCTGTCACTGACGTTGACCCTGGGCGAGGCT GACCACAACCACTATGGATACCCGCACTCCTCCTCTGA

Clone variation with respect to NM_177526.1



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_177526 unedited TTTGTATACGACTCACTATAGGCGGCACGCGAATTCGCACCAGGCGACGGGACGCGCTGG GACCGGCGTCGGGGTTCGCGGGGACCATGCAGCGGAGCCTCCCTGCCCTTCGCTATCCTG ACGCTGGTGAACGCCCGTACAAGCGAGGATTTACTGCGGGGATGACTCCATCCGGTAC CCCTACCGTCCATATACCATCACCCACGGGCTCATGGCTGGGGTACCATCACGGCCACC GTCATCCTTGTCTCGGCCGGGAAGCCTACCTGGTGTACACAGACCGGCTCTATTCTCGC TCGGACTTCAACAACACTACGTGGCTGTATACAAGGTGCTGGGGACCTTCTGTTTGGG GCTGCCGTGAGCCAGTCTCTGACAGACCTGGCCAAGTACATGATTGGGCGTCTGATGCC AACTTCCTATCCGTCTGCGACCCGACTGGAGCCGGGTCAACTGCTCGGTCTATGTGCAG CTGGAGAATGTGTGCAGGGGAAACCCTGCTGATGTACCAGTCCAGGTTGCTTTCTAC TCGGGACACTCTTCTTTGGGATGTACTGCATGGTGTCTTGGCGCTGTATGTGCATGCA CGACTCTGTTGGATGTGGGCACGGCTGCTGCGACCCACAGTCCAGTTCTTCTGTTGGCC TTTGCCCTCTACGTGGGCTACACCCGCGTGTCTGATTACAACACCACTGGAGCGATGTCC TTGGTGGNCTCCTGCAGGGAGCACTGGTGGCTGCCCTCACTGTCTGCTACATCTCAAAC TCTTTCAAGCCCACCCACAGCACTGTCTGATGGATGATGATCTGGAACGGATGCCAT NCTGTCACTGACGTTGACCCTGGGCGATGCTGACCACATCACTATGATACCCGACTTCTC TNCTGAGGCCGACCCGNCCAGCAGGAGCTCTGTGAGTCACTGAGCCACCACTGGTCCCT ANCCTGGTAGCACTGAGCTCTGACGGCTCAGAACCTGGCTGATGGACATGACGGCTCCGT CCCCTGCTGACTGACNAATCGGATCC
Restriction Sites:	NotI-NotI
ACCN:	NM_177526
Insert Size:	5000 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_177526.1 , NP_803545.1
RefSeq Size:	1286 bp
RefSeq ORF:	699 bp
Locus ID:	8612
UniProt ID:	O43688
Cytogenetics:	19p13.3
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 (2) has an alternate 5' terminal exon, which results in a downstream translation start codon, as compared to variant 3. The resulting isoform (2) has a shorter N-terminus, as compared to isoform 3.</p>