

Product datasheet for SC301486

PAP2D (PLPPR5) (NM_001010861) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAP2D (PLPPR5) (NM_001010861) Human Untagged Clone
Tag:	Tag Free
Symbol:	PAP2D
Synonyms:	LPPR5; PAP2; PAP2D; PRG5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301486 representing NM_001010861. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGCCCTGCTGCCCGCGCGCTCACCAGCAGCATGCTCTATTTCCAGATGGTGATCATGGCAGGGACG
 GTGATGCTGGCGTACTACTTCGAGTATACGGACACGTTACCGTGAACGTGCAGGGCTTCTTCTGCCAC
 GACAGCGCTACCGCAAACCTACCGGGCCCGGAGGACAGCAGCGCGTGCCTCCCGCTGCTCCTCTAC
 TCGCTGGCCGCGGGTCCCGTGTCTGTGATAATAGTTGGAGAACTGCTGTCTTTGCCCTACAATA
 GCCACAAGGGATTTTGAACAGGAAAACTATTTAACTGGAGACTGTTGCTATATAAACCCGCTG
 GTGCGCGAAGTGTCCGATTTCTTGAATTTATACATTTGGACTGTTTGCTACAGATATCTTTGTAAT
 GCTGGACAAGTAGTCACAGGAAATCTGGCCACATTTCTTGCCCTGTGTAAGCCCAATTATACAGCA
 CTTGGATGTCAGCAGTATACACAATTCATCAGTGGGGAAGAGGCCTGACTGGCAACCCAGATCTCATC
 ATGAGAGCCCGAAAAACCTTTCCATCCAAAGAAGCAGCTCTCAGTGTCTATGCAGCTATGTATCTGACC
 ATGTACATACCAACACAATCAAAGCCAAGGGAACCAAGTCTGTAAGCCAGTTCATGCTTGGGCTTA
 ATGTGTTTGGCATTCTTACTGGACTCAACAGAGTAGCAGAATATCGAAATCATTGGTCAGATGTTATA
 GCAGGCTTTCTGGTTGGAATATCTATAGCAGTATTTCTGGTTGTGTGCGTGGTGAATAATTTCAAAGGG
 AGACAAGCAGAAAATGAGCATATACACATGGATAATCTGGCAGAGATGCCAATGATCAGCATTCTCGA
 GTAGAAAGTCCTTTGAAAAGAACCATCACTGCCTTCGAGAAGTCACATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGCCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001010861
Insert Size:	951 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:	<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_001010861.2
RefSeq Size:	4008 bp
RefSeq ORF:	951 bp
Locus ID:	163404
UniProt ID:	Q32ZL2
Cytogenetics:	1p21.3
Protein Families:	Transmembrane
MW:	34.9 kDa
Gene Summary:	<p>The protein encoded by this gene is a type 2 member of the phosphatidic acid phosphatase (PAP) family. All type 2 members of this protein family contain 6 transmembrane regions, and a consensus N-glycosylation site. 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. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2), also known as PAP2d_v2, uses an alternate in-frame splice site in the coding region, compared to variant 1, resulting in a protein (isoform 2) that is shorter than isoform 1.</p>