

Product datasheet for MR228193

Plpp2 (NM_001302390) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plpp2 (NM_001302390) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Plpp2
Synonyms: L; Lpp2; PAP2-G; PAP2-gamma; PAP2c; Pp; Ppap2c
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228193 representing NM_001302390
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATTGGCCGTCTTCGACCCAGTTTCTGGCTGTCTGTGACCCTGACTGGAGCCAGGTCAACTGTTCTG
 GCTATGTGCAGCTGGAGGTGTGCAGGGCAGCCCTGCTAATGTCACGGAGGCCAGGCTGCTCTTCTACTC
 TGCCACTCCTCCTTTGGCATGTATTGCATGTTGTTCTTGGCGCTATATGTGCAGGCCCGGCTCTGCTGG
 AAGTGGGCACGGCTGCTGAGGCCACTGTTCAAGTCTTCTTGGTGGCCTTGAATCTATGTGGGTATA
 CCCGAGTGTCTGACCACAAGCACCCTGGAGTGATGTCCTTGTGGCCTCCTGCAGGGAGCCCTGGTGGC
 CTGCCTCACGGTCCGCTATGTTTCAGATTTCTTCAAATCCCGGCCACCCAGCCCTGCCAGGAGGATGAA
 GTGCCGGAGCGCAAGCCAGTCTGCTCACTGACGCTGACCCTTGGTGACCGACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228193 representing NM_001302390
 Red=Cloning site Green=Tags(s)

MIGRLRPSFLAVCDPDWSQVNC SGYVQLEVCRGSPANVTEARLSFYSGHSSFGMYCMLFLALYVQARLCW
 KWARLLRPTVQFFLVAF AIYVGYTRVSDHKHHWSDVLVGLLQGALVACLTVRYVSDFFKSRPPQPCQEDE
 VPERKPSLSLTLTLGDRP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

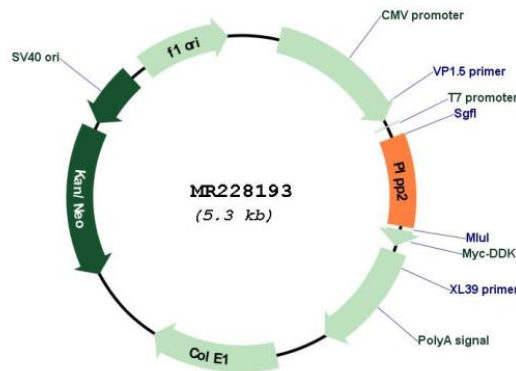


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001302390

ORF Size: 474 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:	<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:	<u>NM_001302390.1</u> , <u>NP_001289319.1</u>
RefSeq Size:	1499 bp
RefSeq ORF:	477 bp
Locus ID:	50784
UniProt ID:	<u>Q9DAX2</u>
Cytogenetics:	10 39.72 cM
MW:	18.4 kDa
Gene Summary:	The protein encoded by this gene is a lipid phosphate phosphohydrolase. It is an integral membrane protein that catalyzes the conversion of phosphatidic acid to diacylglycerol and inorganic phosphate. The transcript is expressed at high levels in lung, liver, and kidney and at low levels in brain and heart. Null mutant mice are viable and fertile and display no overt phenotypic defects. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]