

Product datasheet for MC209209

Plpp1 (NM_008903) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plpp1 (NM_008903) Mouse Untagged Clone
Tag: Tag Free
Symbol: Plpp1
Synonyms: Hic53; Hpic53; LPP-1; LPP1; mPAP; PAP-2a; PAP2-alpha; PAP2a; Ppap2a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209209 representing NM_008903
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTTCGACAAGACGCGGCTGCCGTACGTGGCCCTCGATGTGATTTGCGTGTGCTGGCTGGATTGCCTT
 TTGCAATTCCTACTTCAAGGCATACCCCTCCAGCGAGGAATATTCTGTAATGATGACTCCATCAAGTA
 CCCTTACAAGGAAGACACCATACCTTATGCCTTATTAGGTGGAATAGTCATTCCATTCTGTATTATCGTT
 ATGAGTATTGGAGAATCTCTGTCTGTTACTTTAATGTCTTGCATTCGAATTCCTTTGTCGCAATCCCT
 ACATAGCCACCATTTACAAGCCGTCGGAGCCTTTTTGTTCCGGAGTCTCAGCTAGTCAGTCTTGACTGA
 CATCGCTAAGTATACTATAGGCAGTTTGCAGCCGCACTTCTTGGCTATCTGTAACCCAGACTGGTCAAAA
 ATCAACTGCAGTGATGGCTATATTGAGGACTACATATGTCAAGGGAATGAAGAGAAAAGTCAAGGAGGGCA
 GGTTGTCTTTCTACTCGGACACTCTTCATTCTCTATGTACTGCATGCTGTTTGTGCGCACTTTATCTTCA
 AGCCAGGATGAAGGGAGACTGGCAAGACTCTTACGACCCATGCTCCAGTTTGGGCTCATTGCTTTTTCC
 ATATATGTGGCCCTTCTCGAGTGTCTGACTACAAACACCACTGGAGTGACGTACAGTTGGACTCATT
 AGGGAGCTGCTATGGCTATACTGGTTGCTTTGTATGTATCCGATTTCTTCAAGGACACACATTCTTACAA
 AGAGAGAAAAGGAAGAGGATCCACACACGACTCTCCATGAAACCGCCAGTTCACGGAACACTCAACCAAT
 CACGAGCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_008903
Insert Size: 852 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).
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_008903.2 , NP_032929.1
RefSeq Size:	1626 bp
RefSeq ORF:	852 bp
Locus ID:	19012
UniProt ID:	Q61469
Cytogenetics:	13 D2.2
Gene Summary:	<p>Broad-specificity phosphohydrolase that dephosphorylates exogenous bioactive glycerolipids and sphingolipids. Catalyzes the conversion of phosphatidic acid (PA) to diacylglycerol (DG). In addition it hydrolyzes lysophosphatidic acid (LPA), diacyl glycerol pyrophosphate (DGPP), ceramide-1-phosphate (C-1-P) and sphingosine-1-phosphate (S-1-P). The relative catalytic efficiency is LPA > PA > C-1-P > S-1-P.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks one exon and contains an alternate in-frame exon in the 5' coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.</p>