

Product datasheet for **MC209210**

Plpp1 (NM_008247) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plpp1 (NM_008247) 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: >MC209210 representing NM_008247
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTTCGACAAGACGCGGCTGCCGTACGTGGCCCTCGATGTGATTTGCGTGTGCTGGCTGCCATGCCTA
TGACTATTTTTAAATTGGCAAAGTATATCCATTCAGAGGGGCTTTTTCTGTACTGACAACAGCGTGAA
GTACCCGTACCATGACAGTACCATCCCGTCCCGTATACTCGCCATACTGGGGCTTGCTTACCCATTTTC
TCTATGATATTGGAGAATCTCTGTCTGTTACTTTAATGTCTTGCAATCGAATTCCTTTGTCGGCAATC
CCTACATAGCCACCATTTACAAAGCCGTCGGAGCCTTTTTGTTCGGAGTCTCAGCTAGTCAGTCCCTTGAC
TGACATCGCTAAGTATACTATAGGCAGTTTGGCCCGCACTTCTTGGCTATCTGTAACCCAGACTGGTCA
AAAATCAACTGCAGTGATGGCTATATTGAGGACTACATATGTCAAGGGAATGAAGAGAAAGTCAAGGAGG
GCAGTTGTCTTTCTACTCGGGACACTTTCATTCTCTATGACTGCATGCTGTTTGTCCGCACTTTATCT
TCAAGCCAGGATGAAGGGAGACTGGGCAAGACTTTACGACCCATGCTCCAGTTTGGGCTCATTGCTTTT
TCCATATATGTGGCCTTTCTCGAGTGTCTGACTACAAACACCACTGGAGTGACGTACAGTTGGACTCA
TTCAGGGAGCTGCTATGGCTATACTGGTTGCTTTGTATGTATCCGATTTCTTCAAGGACACACATTCTTA
CAAAGAGAGAAAGGAAGAGGATCCACACAGACTCTCCATGAAACCGCCGATTCACGGAACACTCAACC
AATCACGAGCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_008247
Insert Size: 855 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_008247.3 , NP_032273.1 |
| RefSeq Size: | 1629 bp |
| RefSeq ORF: | 855 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 (1) represents the longer transcript and encodes the longer isoform (1).</p> |