

Product datasheet for **MC200411**

Plpp3 (NM_080555) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plpp3 (NM_080555) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plpp3
Synonyms:	1110003O22Rik; 2610002D05Rik; AV025606; D4Bwg0538e; D4Bwg1535e; Lpp3; Ppap2b
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC005558 sequence for NM_080555

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AGCGATCACAGCGGCAGCCCGGGCGGCAGCAGCAGGAGGAGGAGCAGGAGGAGGAGGCAGAGTTGGA
GTTGGGCGAGACGCTGAGGAGAGCTAGCTGCAGGACGCTGCGGAGTTGCAGGGCTCCGCGCTGCTCCATTC
ATTAAGTAGCTGCGGAGGATCGTGGCGGGACCGCAGCCTGCCACTCGCAAACCTCCAGCAGCAGACGC
ACGCCAGCCGGACGCGTCCGGGGCAGCACAGTTCTGCAAAGTTCTGCTCGGGATTTGGCTCTCTTCCC
CTTGGACTAGCGAACAGTTTGGGGTTGAGAGGAAAGCAGAGGCGCCAGAGGGGAAACCTACCCGCGTCT
GCAAGTTGAACTACTCCGCCGGGCTGCACTCTCGCCGCCGCTCCCGAGCCCGCATAACCCGCTCCTGAGC
AGCGGGCGCCCGCATCGCCCCGGGAGGCTCCCCGAGCCAGCGCCATGCAAAGCTACAAGTACGACAAGG
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CTCCGAGGGGTACATTCAGAACTACAGGTGCAGAGGAGAAGACAGCAAAGTACAGGAGGCCAGGAAGTCC
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TCACCTGGCGCGGGGCCGACTGCTCCGCCCTCCTGCAAGTCACTTTGCTCATGATGGCCTTCTACAC
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CCCCTGCGATCAGGAGGAGATCCTGTCTCCCGTGGACATCATCGACAGGAACAATCACCATAACATGAT
GTAGATGCTGCGCCTCCGGAGCGCTTCTCTGAAGCGACTGCAGTTCTCTGCTGCTCTCCGATCTCAT
AGACAGTAGAATGTAGGGAAAAGCTTTTGCCTGATGATTTTGAACATTAAAAA

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Restriction Sites: RsrII-NotI



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ACCN:	NM_080555
Insert Size:	939 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:	BC005558 , AAH05558
RefSeq Size:	1539 bp
RefSeq ORF:	939 bp
Locus ID:	67916
UniProt ID:	Q99JY8
Cytogenetics:	4 49.18 cM
Gene Summary:	Catalyzes the conversion of phosphatidic acid (PA) to diacylglycerol (DG). In addition it hydrolyzes lysophosphatidic acid (LPA), ceramide-1-phosphate (C-1-P) and sphingosine-1-phosphate (S-1-P) (By similarity). Essential to the formation of the chorioallantoic placenta and extraembryonic vasculature. Also mediates gastrulation and axis formation, probably by regulating the Wnt signaling pathway.[UniProtKB/Swiss-Prot Function]