

Product datasheet for MC218593

Mppe1 (BC045146) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Mppe1 (BC045146) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Mppe1
 Synonyms: A530095G11
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >BC045146
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTCTGGTCAGATGGGGCTGAAAAGACAGAACTTCCATCCGTTGAGGAGGAGGAGAGCGTTGC
 TGTTGAAACTCACAGTTGTCTTATCTCTGTGCTTCTGTTTTGTGAATATTTTCATCTATTACCTGGTCT
 CTTTCGGTGCCATTGGCCTGAGGTGAAGACTTTAGCCCATGGAGGCAGGCAGGAGCCTGTACTGAAAGCC
 ATGTTTCTGGCTGACACTCACTTACTTGGGGAGATAAGAGGCCATTGGCTGGACAAATTACGAAGGGAGT
 GGCAAATGGAGAGAGCTTTTCAGACAGCTCTGTGGTTGCTGCAACCGGAAGTCGTCTTCATTTTGGGAGA
 CATCTTTGATGAAGGGAAGTGGAGCTCCGATCAGGCCTGGGCAGACGATGTGCAGAGATTTAGAGGATG
 TTCAGACATGACAGCCATGTGCAGCTGAAGGTGGTCATTGGCAATCATGACGTTGGCTTCCACTATCAGA
 TGAGTAAATACAGAATAAAGCGATTTGAGAAAGTGTTCGGCTCTGAAAGACTGCTCTCTGAAAGGAGT
 TAATTTTGTGTCATGGTCAACAGCGTTGCAATGGAAGGGGATGGTTGTATCATATGCTCTGAAGAGGAAGT
 GAACTCAGAGAGATCTCTCGTAACTGAATTGCTCCCAAGAGGTGCCGGATCCAGTCAGTGTGACCGTG
 AGCCCAGCCGAGGCTCCCCTTGTCCGCTCCAGTGTGCTGCAGCACTACCCGCTCTACCGGGCCAGCGA
 TGCTAACTGTTTCAGGTGAAGATGCGGCTCCCCAGAGGAAAGGAACGTCCCCTTTGAGGAGAAATATGAT
 GTTCTTTCTCGGAGGCCTCACAAAAGCTGTTGTGGTGGCTCCGCTCGCCTGTTCTGAGTGGCCACA
 CACACAGTGCCTGTGAGGTGCTCCACCCAGGAGGAGCCCTGAGGTGAGCGTCCCATCTTTAGTTGGAG
 GAACCGAAACAACCAAGTTTCATCATGGGCAGCCTGACATCCAGAGATTACGCTCTGTCCAAGTGTCTAC
 CTCCCCTTTGAGGACACGGTGTGACCATGTACGGTGCAGCGGCTGGCTTCTCATGATCCTCATCTTAG
 TTCCTTTGAGCATCTGCCCTCGCTTTTCTGTGTGGCTGGAAACTGTGCAGGTTGCACATGAGGAGATG
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	BC045146
Insert Size:	1191 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:	BC045146 , AAH45146
RefSeq Size:	1715 bp
RefSeq ORF:	1190 bp
Locus ID:	225651
Cytogenetics:	18 E1
Gene Summary:	Metallophosphoesterase required for transport of GPI-anchor proteins from the endoplasmic reticulum to the Golgi. Acts in lipid remodeling steps of GPI-anchor maturation by mediating the removal of a side-chain ethanolamine-phosphate (EtNP) from the second Man (Man2) of the GPI intermediate, an essential step for efficient transport of GPI-anchor proteins (By similarity).[UniProtKB/Swiss-Prot Function]