

Product datasheet for MC212760

Mppe1 (NM_172630) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mppe1 (NM_172630) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mppe1
Synonyms:	A530095G11; Pgap5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212760 representing NM_172630 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCTCTGGTCAGATGGGGCTGAAAAGACAGAACTCCATCCGTTGAGGAGGAGGAGAGCGTTGC
TGTTGAAACTCACAGTTGTCATTATCTCTGTGCTTCTGTTTTGTGAATATTCATCTATTACCTGGTCTT
CTTTCGGTGCCATTGGCCTGAGGTGAAGACTTTAGCCCATGGAGGCAGGCAGGAGCCTGTACTGAAAGCC
ATGTTTCTGGCTGACACTCACTTACTTGGGAGATAAGAGGCCATTGGCTGGACAAATTACGAAGGGAGT
GGCAAATGGAGAGAGCTTTTCAGACAGCTCTGTGGTTGCTGCAACCGGAAGTCGTCTTCATTTTGGGAGA
CATCTTTGATGAAGGGAAGTGGAGCTCCGATCAGGCCTGGGCAGACGATGTGCAGAGATTTCAGAGGATG
TTCAGACATGACAGCCATGTGCAGCTGAAGGTGGTCATTGGCAATCATGACGTTGGCTTCCACTATCAGA
TGAGTAAATACAGAATAAAGCGATTGAGAAAGTGTTCGGCTCTGAAAGACTGCTCTCTCTGAAAGGAGT
TAATTTTGTATGGTCAACAGCGTTGCAATGGAAGGGGATGGTTGTATCATATGCTCTGAAGAGGAAGCT
GAACTCAGAGAGATCTCTCGTAACTGAATTGCTCCCAAGAGCAGGTGCCGGGATCCAGTCAGTGTGACC
GTGAGCCCGAGCCGAGGCTCCCTTGTCCGCTCCAGTGTGCTGCAGCACTACCCGCTCTACCGGCCAG
CGATGCTAACTGTTTCAGGTGAAGATGCGGCTCCCCAGAGGAAAGGAACGTCCCTTTGAGGAGAAATAT
GATGTTCTTTCTCGGAGGCCTCACAAAGCTGTTGTGGTGGCTCCGGCTCGCCTGGTTCTGAGTGGCC
ACACACAGTGCCTGTGAGGTGCTCCACCCAGGAGGCCCTGAGGTGAGCGTCCCATCTTTCAGTTG
GAGGAACCGAAACAACCAAGTTTCATCATGGGCAGCCTGACATCCAGAGATTACGCTCTGTCCAAGTGC
TACCTCCCGTTTGAAGACACGGTGTGACCATGTACGGTGCAGCGGCTGGCTTCTCATGATCCTCATCT
TAGTTCACTTTGAGCATCTGCCCTCGCCTTTTCTGTGTGGCTGGAACTGTGCAGGTTGCACATGAGGAG
ATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_172630
Insert Size:	1194 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_172630.2, NP_766218.1</u>
RefSeq Size:	2007 bp
RefSeq ORF:	1194 bp
Locus ID:	225651
UniProt ID:	<u>Q80XL7</u>
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]