

## Product datasheet for RN203136

### Mppe1 (NM\_001108435) Rat Untagged Clone

#### Product data:

|                      |  |
|----------------------|--|
| Product Type:        | Expression Plasmids  |
| Product Name:        | Mppe1 (NM_001108435) Rat Untagged Clone  |
| Tag:                 | Tag Free   |
| Symbol:              | Mppe1  |
| Vector:              | pCMV6-Entry (PS100001)   |
| E. coli Selection:   | Kanamycin (25 ug/mL)   |
| Cell Selection:      | Neomycin   |
| Fully Sequenced ORF: | >RN203136 representing NM_001108435<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCTGGTCAGATGGGGCTGAGAAGACAGAACTCCACCTGTTGAGGAGGAGGAGAGTGTGCTGT  
TGAAGACTGACAGTCGTTGTTATCTCTGTGCTCCTGTTTTGTGAATATTCATCTATTACCTGGTCTCTT  
TCGGTGCCATTGGCCTGAGGTGAAGATGCCAGCCGTTGGTGGTAGCAGGAGCCTGTCTGAAAGCCATG  
TTTCTGGCTGACACTCACTTACTTGGGAGATAAGAGGCCACTGGTTGGACAAATTGCGAAGGGAGTGCC  
AAATGGAGAGAGCTTTTCAGACAGCTCTGTGGCTGCTGCAACCAGAAGTAGTCTTCATTTGGGAGAGCT  
CTTTGATGAAGGGAAGTGGAGCTCCGCCAGGCCTGGGCCGACGACCTGCACAGGTTTCAGAGGATGTT  
AGGCACGGCAGCCACGTGCAGCTCAAGGTGGTATTGGCAACCATGACATTGGCTTCCACTACCAGATGA  
GTAAATACAGGATAAATCGATTTGAGAAAGTGTTCGGCTCTGAAAGGCTGTTCTCTGAAAGGAGTTAA  
TTTTGTCATGGTCAACAGTGTGCAATGGAAGGGGATGGTTGTACCATATGCTCTGAAGCAGAAGCTGAA  
CTCAGAGAGATCTCTCGTAAACTGAATTGCTCCCAAGAGCAGGTGCAGGGATCCAGCCAGTGTGACCATG  
AGCCACGGCTCCCCTTGTCTGCCCCGTTGCTGCAGCACTATCCGCTCTACCGGGCCAGCGATGCTAA  
TTGTTCTGGTGAAGATGCAGCTCCTCCAGAGGAAAGGAGCGTCCCCTTTGAGGAGAAATATGATGTTCTT  
TCCCGGAGGCCTCACAAAAGCTGTTGTGGTGGCTACGGCCTCGTCTGATTCTGAGTGGCCACACGCACA  
GTGCTCGAGGTGCTCCATCCCGAGGAGCGCCGAGGTGAGCGTCCCATCCTTCAGTTGGAGGAACAG  
AAACAACCAAGCTTCATCATGGGCAGCCTGACATCCAGAGATTACGCTCTCTCCAAGTGTACCTCCCA  
TGCGAGGACACAGTGTGACCACGTAAGTGCAGCGGCTGCCTTCTCTGGTCTCATCTTAGCTCACT  
TTGAGCGTCTGCCCTCATCTTCTGTTGGTTGGAACTGTGCAGGTGCACCTGAGAAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                    |              |
|--------------------|--------------|
| Restriction Sites: | SgfI-MluI    |
| ACCN:              | NM_001108435 |



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|                        |   |
|------------------------|---|
| <b>Insert Size:</b>    | 1185 bp   |
| <b>OTI Disclaimer:</b> | 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).  |
| <b>RefSeq:</b>         | <u><a href="#">NM_001108435.2</a></u> , <u><a href="#">NP_001101905.1</a></u>   |
| <b>RefSeq Size:</b>    | 2327 bp   |
| <b>RefSeq ORF:</b>     | 1185 bp   |
| <b>Locus ID:</b>       | 361344  |
| <b>UniProt ID:</b>     | <u><a href="#">B1WC86</a></u>   |
| <b>Gene Summary:</b>   | 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] |