

## Product datasheet for MC226272

### Pmm1 (NM\_001282040) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pmm1 (NM\_001282040) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Pmm1  
**Synonyms:** C77612  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226272 representing NM\_001282040  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCAGTCGCCGTCGAGGGCGCCCGCAGGAAAGAGCGCATCCTCTGCCTGTTTGACGTGGACGGGACCC  
 TCACGCCAGCTCGCCAGAAAATTGACCCCTGAGACGATCCAGAACCACCTGGGGGAGGAGCTCCTGCAGGA  
 CTTGATCAACTTCTGCCTTAGCTACATGGCCCTGCTCAGACTGCCAAGAAGCGTGGACCTTCATTGAG  
 TTCCGGAAATGGCATGCTGAACGTCTCGCCATTGGCCGACGTGCACCCTGGAGGAGAGGATCGAGTTCT  
 CGGAATGGACAAGAAGGAGAAGATCCGGGAGAAGTTTGTGGAAGCCTTGAAGACAGAGTTTGCTGGCAA  
 GGGGCTGCGGTTCTCCCGAGGAGGCATGATAAGCTTCGATGTCTTCCCGAGGGCTGGGATAAGCGCTAC  
 TGCTGGACAGCCTGGATGAAGACAGCTTTGACATCATCCACTTCTTTGAAATGAGACCAGTCCTGGCG  
 GGAATGACTTTGAGATCTATGCGGACCCCGGACTGTCGGCCATAGCGTGGTCTCCCTCAGGACACTGT  
 ACAGCGATGCCGTGAGCTCTTCTCCAGAGACAGCCACGAGGCG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001282040  
**Insert Size:** 609 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).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001282040.1</a></u> , <u><a href="#">NP_001268969.1</a></u>
<b>RefSeq Size:</b>	1136 bp
<b>RefSeq ORF:</b>	609 bp
<b>Locus ID:</b>	29858
<b>Cytogenetics:</b>	15 E1
<b>Gene Summary:</b>	Involved in the synthesis of the GDP-mannose and dolichol-phosphate-mannose required for a number of critical mannosyl transfer reactions. In addition, may be responsible for the degradation of glucose-1,6-bisphosphate in ischemic brain.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site and lacks an in-frame exon in the 5' coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.