

Product datasheet for **MC226280**

Pmm1 (NM_001282041) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pmm1 (NM_001282041) 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: >MC226280 representing NM_001282041
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCACTGCTCCTCCCGTGCTGCGCAGCTGGCCCCGCCCGCCCGCCCGGCTCTGTGCGACGCG
ACCCTGGCGGTGGCTGCAGCGACAGCGCTTGGCGCGGGAGCTACAGCCATGGCAGTCGCGTCGAGGGC
GCCCGCAGGAAAGAGCGCATCCTCTGCCTGTTTGACGTGGACGGGACCCTCACGCCAGCTCGCCAGAAAA
TTGACCCTGAGGTATCGGCCTTCTGCAGAAGCTACGAAGCAGGCTGCACCCTGGAGGAGAGGATCGAGT
TCTCGGAAGTGGACAAGAAGGAGAAGATCCGGGAGAAGTTTGTGGAAGCCTTGAAGACAGAGTTTGTCTGG
CAAGGGGCTGCGGTTCTCCCGAGGAGGCATGATAAGCTTCGATGTCTTCCCGAGGGCTGGGATAAGCGC
TACTGCCTGGACAGCCTGGATGAAGACAGCTTTGACATCATCCACTTCTTTGAAATGAGACCAGTCCTG
GCGGGAATGACTTTGAGATCTATGCGGACCCCGGACTGTGCGCCATAGCGTGGTCTCCCTCAGGACAC
TGTACAGCGATGCCGTGAGCTCTTCTCCAGAGACAGCCACGAGGCG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001282041
Insert Size: 612 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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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001282041.1</u> , <u>NP_001268970.1</u>
RefSeq Size:	1020 bp
RefSeq ORF:	612 bp
Locus ID:	29858
Cytogenetics:	15 E1
Gene Summary:	Involvement 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 (3) has multiple differences in the 5' coding region and initiates translation at an alternate start codon, which results in a translational frameshift, compared to variant 1. The encoded isoform (3) has a shorter and distinct N-terminus, compared to isoform 1.