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Product datasheet for MC209823

Pmm1 (NM_013872) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pmm1 (NM_013872) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pmm1
Synonyms:	C77612
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC209823 representing NM_013872
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGTCGCCGTCGAGGGCGCCCGCAGGAAAGAGCGCATCCTCTGCCTGTTTGACGTGGACGGGACCC
TCACGCCAGCTCGCCAGAAAATTGACCCTGAGGTATCGGCCTTCCTGCAGAAGCTACGAAGCAGGGTACA
GATCGGCGTGGTGGGTGGCTCTGACTACTCTAAGATCGCCGAGCAGCTGGGAGAGGGGGATGAAGTCATT
GAGAAGTTTGACTACGTGTTTGCTGAGAATGGGACAGTGCAGTATAAACACGGACGGCTACTCTCCAAAC
AGACGATCCAGAACCACCTGGGGGAGGAGCTCCTGCAGGACTTGATCAACTTCTGCCTTAGCTACATGGC
CCTGCTCAGACTGCCCAAGAAGCGTGGGACCTTCATTGAGTTCCGGAATGGCATGCTGAACGTCTCGCCC
ATTGGCCGCAGCTGCACCCTGGAGGAGAGGATCGAGTTCTCGGAACTGGACAAGAAGGAGAAGATCCGGG
AGAAGTTTGTGGAAGCCTTGAAGACAGAGTTTGCTGGCAAGGGGCTGCGGTTCTCCCGAGGAGGCATGAT
AAGCTTCGATGTCTTCCCCGAGGGCTGGGATAAGCGCTACTGCCTGGACAGCCTGGATGAAGACAGCTTT
GACATCATCCACTTCTTTGGAAATGAGACCAGTCCTGGCGGGAATGACTTTGAGATCTATGCGGACCCCC
GGACTGTCGGCCATAGCGTGGTCTCCCCTCAGGACACTGTACAGCGATGCCGTGAGCTCTTCTTCCCAGA
GACAGCCCACGAGGCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_013872
Insert Size:	789 bp

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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.
RefSeq:	NM_013872.4, NP_038900.1
RefSeq Size:	1316 bp
RefSeq ORF:	789 bp
Locus ID:	29858
UniProt ID:	O35621
Cytogenetics:	15 E1
Gene Summary:	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 (1) represents the longest transcript and encodes the longest isoform (1).

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