

Product datasheet for **MR228483**

Pmm1 (NM_001282040) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pmm1 (NM_001282040) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pmm1
Synonyms: C77612
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228483 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGTCGCCGTCGAGGGCGCCCGCAGGAAAGAGCGCATCCTCTGCCTGTTTGACGTGGACGGGACCC
TCACGCCAGCTCGCCAGAAAATTGACCCCTGAGACGATCCAGAACCACCTGGGGGAGGAGCTCTGCAGGA
CTTGATCAACTTCTGCCTTAGCTACATGGCCCTGCTCAGACTGCCAAGAAGCGTGGGACCTTCATTGAG
TTCCGGAATGGCATGCTGAACGCTCGCCATTGGCCGAGCTGCACCCTGGAGGAGAGGATCGAGTTCT
CGGAAGTGGACAAGAAGGAGAAGATCCGGGAGAAGTTTGTGGAAGCCTTGAAGACAGAGTTTGTCTGGCAA
GGGGCTGCGGTTCTCCCGAGGAGGCATGATAAGCTTCGATGTCTCCCGAGGGCTGGGATAAGCGCTAC
TGCTGGACAGCCTGGATGAAGACAGCTTTGACATCATCACTTCTTTGAAATGAGACCAGTCTCGCG
GGAATGACTTTGAGATCTATGCGGACCCCGGACTGTGCGCCATAGCGTGGTCTCCCTCAGGACACTGT
ACAGCGATGCCGTGAGCTCTTCTCCAGAGACAGCCACGAGGCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228483 protein sequence
Red=Cloning site Green=Tags(s)

MAVAVEGARRKERILCLFDVDGTLTPARQKIDPETIQNHLGEELLQDLINFCLSYMALLRPLPKRGTFFIE
FRNGMLNVSPIGRSCTLEERIEFSELDKKEKIREKFVEALKTEFAGKGLRFSRGGMISFDVFPPEGWDKRY
CLDSLDEDSFDIIHFFGNETSPGGNDFEIIYADPRTVGHSVVSPQDTVQRCLFFPETAHEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282040

ORF Size: 609 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001282040.1](#), [NP_001268969.1](#)

RefSeq Size: 1136 bp

RefSeq ORF: 609 bp

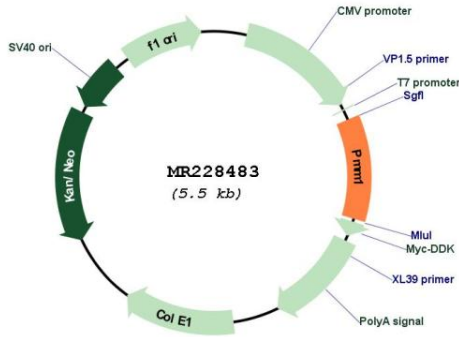
Locus ID: 29858

Cytogenetics: 15 E1

MW: 23.1 kDa

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]

Product images:



Circular map for MR228483