

Product datasheet for MR202072

Pmm1 (BC006809) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pmm1 (BC006809) 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: >MR202072 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGTCGCCGTCGAGGGCGCCCGCAGGAAAGAGCGCATCCTCTGCCTGTTTGACGTGGACGGGACCC
 TCACGCCAGCTCGCCAGAAAATTGACCCCTGAGACGATCCAGAACCACCTGGGGGAGGAGCTCTGCAGGA
 CTTGATCAACTTCTGCCTTAGCTACATGGCCCTGCTCAGACTGCCAAGAAGCGTGGGACCTTCATTGAG
 TTCGGAAATGGCATGCTGAACGCTCGCCATTGGCCGAGCTGCACCCTGGAGGAGAGGATCGAGTTCT
 CGGAAGTGGACAAGAAGGAGAAGATCCGGGAGAAGTTTGTGGAAGCCTTGAAGACAGAGTTTGTCTGGCAA
 GGGGCTGCGGTTCTCCCGAGGAGCATGATAAGCTTCGATGTCTCCCGAGGGCTGGGATAAGCGCTAC
 TGCTTGGACAGCCTGGATGAAGACAGCTTTGACATCATCCAATCTTTGGAAATGAGACCAGTCTCGCG
 GGAATGACTTTGAGATCTATGCGGACCCCGGACTGTGCGCCATAGCGTGGTCTCCCTCAGGACTGT
 ACAGCGATGCCGTGAGCTCTTCTCCAGAGACAGCCACGAGGCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202072 protein sequence
 Red=Cloning site Green=Tags(s)

MAVAVEGARRKERILCLFDVDGTLTPARQKIDPETIQNHLGEELLQDLINFCLSYMALLRLPKKRGTFIE
 FRNGMLNVSPIGRSCTLEERIEFSELDKKEKIREKFVEALKTEFAGKGLRFSRGGMISFDVFPPEGWDKRY
 CLDSLDEDSFDIIHFFGNETSPGGNDFEIIYADPRTVGHSVVSPQDTVQRCLFFPETAHEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC006809

ORF Size: 606 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: [BC006809](#), [AAH06809](#)

RefSeq Size: 1079 bp

RefSeq ORF: 608 bp

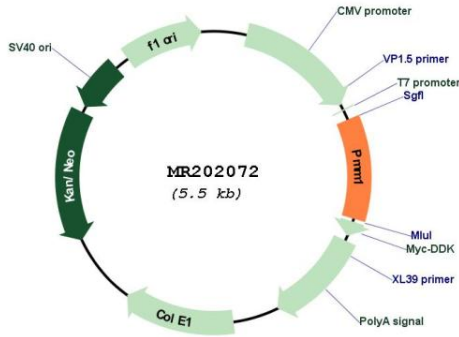
Locus ID: 29858

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 MR202072