

## Product datasheet for **MR227540**

### **Pmm1 (NM\_013872) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pmm1 (NM\_013872) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pmm1  
**Synonyms:** C77612  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR227540 representing NM\_013872  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCAGTCGCCGTCGAGGGCGCCCGCAGGAAAGAGCGCATCCTCTGCCTGTTTGACGTGGACGGGACCC  
TCACGCCAGCTCGCCAGAAAATTGACCCTGAGGTATCGGCCTTCCTGCAGAAGCTACGAAGCAGGGTACA  
GATCGGCGTGGTGGGTGGCTCTGACTACTCTAAGATCGCCGAGCAGCTGGGAGAGGGGGATGAAGTCATT  
GAGAAGTTTGACTACGTGTTGCTGAGAATGGGACAGTGCAGTATAAACACGGACGGCTACTCTCCAAC  
AGACGATCCAGAACCACCTGGGGGAGGAGCTCCTGCAGGACTTGATCAACTTCTGCCTTAGCTACATGGC  
CCTGCTCAGACTGCCAAGAAGCGTGGGACCTCATTGAGTTCGGAATGGCATGCTGAACGTCTCGCCC  
ATTGGCCGAGCTGCACCCTGGAGGAGAGGATCGAGTTCTCGAACTGGACAAGAAGGAGAAGATCCGGG  
AGAAGTTTGTGGAAGCCTTGAAGACAGAGTTTGTGGCAAGGGGCTGCGGTTCTCCCGAGGAGGCATGAT  
AAGCTTCGATGTCTTCCCGAGGGCTGGGATAAGCGCTACTGCCTGGACAGCCTGGATGAAGACAGCTTT  
GACATCATCCACTCTTTGGAAATGAGACCAGTCTGGCGGGAATGACTTTGAGATCTATCGGACCCCC  
GGACTGTCGCCATAGCGTGGTCTCCCCCAGGACACTGTACAGCGATGCCGTGAGCTCTTCTCCAGA  
GACAGCCACGAGGCG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR227540 representing NM\_013872  
Red=Cloning site Green=Tags(s)

MAVAVEGARRKERILCLFDVDGTLTPARQKIDPEVSAFLQKLRSRVQIGVVGGSDYSKIAEQLGEGDEVI  
 EKFDYVFAENGTVQYKHGRLLSKQTIQNLGEELLQDLINFCLSYMALLRLPKRGTFIEFRNGMLNVSP  
 IGRSCTLEERIEFSELDKKEKIREKFVEALKTEFAGKGLRF SRGGMISFDVDFEGWDKRYCLDSLDEDSF  
 DIIHFFGNETSPGGNDFEYADPRTVGHSVVSPQDTVQRCRELFPPETAHEA

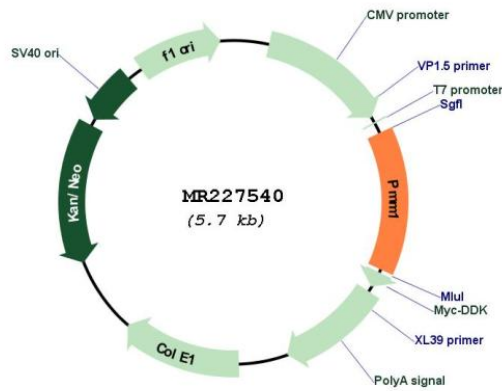
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_013872  
**ORF Size:** 786 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_013872.4</a> , <a href="#">NP_038900.1</a>
<b>RefSeq Size:</b>	1239 bp
<b>RefSeq ORF:</b>	789 bp
<b>Locus ID:</b>	29858
<b>UniProt ID:</b>	<a href="#">O35621</a>
<b>Cytogenetics:</b>	15 E1
<b>MW:</b>	30.2 kDa
<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]