

## Product datasheet for **MG227540**

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pmm1 (NM\_013872) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Pmm1  
**Synonyms:** C77612  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG227540 representing NM\_013872  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGTCGCCGTCGAGGGCGCCCGCAGGAAAGAGCGCATCCTCTGCCTGTTTGACGTGGACGGGACCC  
TCACGCCAGCTCGCCAGAAAATTGACCCCTGAGGTATCGGCCTTCCTGCAGAAGCTACGAAGCAGGGTACA  
GATCGGCGTGGTGGTGGCTCTGACTACTCTAAGATCGCCGAGCAGCTGGGAGAGGGGGATGAAGTCATT  
GAGAAGTTTGACTACGTGTTTGTGAGAATGGGACAGTGCAGTATAAACACGGACGGCTACTCTCCAAC  
AGACGATCCAGAACCACCTGGGGGAGGAGCTCCTGCAGGACTTGATCAACTTCTGCCTTAGCTACATGGC  
CCTGCTCAGACTGCCCAAGAAGCGTGGGACCTTCATTGAGTTCGGGAATGGCATGCTGAAGTCTCGCCC  
ATTGGCCGAGCTGCACCTGGAGGAGAGGATCGAGTTCTCGAACTGGACAAGAAGGAGAAGATCCGGG  
AGAAGTTTGTGGAAGCCTTGAAGACAGAGTTTGTGGCAAGGGGCTGCGGTTCTCCCGAGGAGGCATGAT  
AAGCTTCGATGTCTTCCCGAGGGCTGGGATAAGCGCTACTGCCTGGACAGCCTGGATGAAGACAGCTTT  
GACATCATCCACTTCTTTGAAATGAGACCAGTCTGGCGGAATGACTTTGAGATCTATGCGGACCCCC  
GGACTGTCGGCCATAGCGTGGTCTCCCCCAGGACACTGTACAGCGATGCCGTGAGCTCTTCTCCAGA  
GACAGCCCACGAGGCG

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**



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**Protein Sequence:** >MG227540 representing NM\_013872  
 Red=Cloning site Green=Tags(s)

MAVAVEGARRKERILCLFDVDGTLTPARQKIDPEVSAFLQKLRSRVQIGVVGGSDYSKIAEQLGEGDEVI  
 EKFDYVFAENGTVQYKHGRLLSKQTIQNLGEELLQDLINFCLSYMALLRLPKKRGTFFIEFRNGMLNVSP  
 IGRSCTLEERIEFSELDKKEKIREKFVEALKTEFAGKGLRF SRGGMISFDVDFPEGWDKRYCLDSLDEDSF  
 DIIHFFGNETSPGGNDFEYADPRTVGHSVVSPQDTVQRCLFFPETAHEA

TRTRPLE - GFP Tag - V

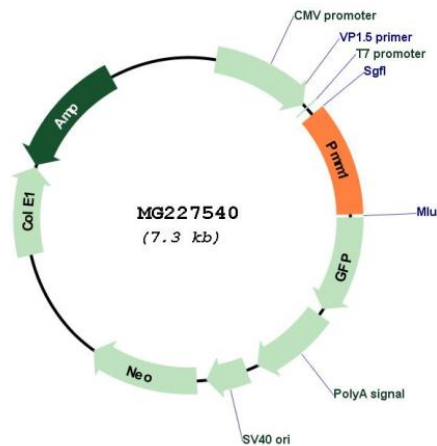
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**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>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]