

## Product datasheet for **MC210759**

### **Pmvk (NM\_027348) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pmvk (NM\_027348) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Pmvk  
**Synonyms:** 1110011E12Rik; 2900002L22Rik; AV001327; PMK; PMKA; PMKASE  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC210759 representing NM\_027348  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

**ATGGCAGGAATTTATGGAATATTCTATGCCAGACTTGGAGGTAACATCTGTGCTCTCTCGGGCTCTCTG  
 GTCCACTCAAGGAGGAGTATGCTCGGGAGCATGGCTTGGACTTCCAGAGACTTCTGGATGCGAGCACCTA  
 CAAGGAGACCTATCGGAGGGACATGATCTGTTGGGGGAGCAGAAGCGCCAGGCAGACCCAGGCTTCTTC  
 TGCCGGAAGATTGTGGAAGGCGTGTCCAGCCTATCTGGCTGGTGAAGTACACACGAGGAGATCTGACA  
 TCCAGTGGTTTCAGGAGGCTATGGGGCTGTGATACAGACAGTCCGAGTAGTGGCCTCGGAGCAGAGTCG  
 ACAGCAACGGGGCTGGGTGTTACACCAGGGGTGGACGATGCTGAGTCAGAGTGTGGTCTGGACAACTTT  
 GGGAACTTTGACTGGGTCAATGAGAACCACGGAGATGAGCAGTGCCTGGAGGATCAGCTGGAGCACCTGC  
 TGGGATTTATTCAAGCCAACTTAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_027348  
**Insert Size:** 516 bp

**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).



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|                               |   |
|-------------------------------|---|
| <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>                | <u><a href="#">NM_027348.1</a></u> , <u><a href="#">NP_081624.1</a></u>   |
| <b>RefSeq Size:</b>           | 1173 bp   |
| <b>RefSeq ORF:</b>            | 516 bp  |
| <b>Locus ID:</b>              | 68603   |
| <b>UniProt ID:</b>            | <u><a href="#">Q9D1G2</a></u>   |
| <b>Cytogenetics:</b>          | 3 F1  |
| <b>Gene Summary:</b>          | <p>Catalyzes the reversible ATP-dependent phosphorylation of mevalonate 5-phosphate to produce mevalonate diphosphate and ADP, a key step in the mevalonic acid mediated biosynthesis of isopentenyl diphosphate and other polyisoprenoid metabolites.<br/>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1.</p>                |