

Product datasheet for **MR200531**

Pmvk (BC028659) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pmvk (BC028659) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pmvk
Synonyms: 2900002L22Rik, PMK, PMKA, PMKASE
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200531 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATCTGTTGGGGGAGCAGAAGCGCCAGGCAGACCCAGGCTTCTTCTGCCGGAAGATTGTGGAAGGCG
 TGTCCCAGCCTATCTGGCTGGTGAGTGACACACGGAGGACATCTGACATCCAGTGGTTTCAGGAGGCCTA
 TGGGGCTGTGATACAGACAGTCCGAGTAGTGGCTCGGAGCAGAGTCGACAGCAACGGGGCTGGGTGTT
 ACACCAGGGTGGACGATGCTGAGTCAGAGTGTGGTCTGGACAACCTTTGGAACTTTGACTGGGTCAATG
 AGAACCACGGAGATGAGCAGTGCCTGGAGATCAGCTGGAGCACCTGCTGGGATTTATCAAGCCAACT
 T

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200531 protein sequence
 Red=Cloning site Green=Tags(s)
 MICWGEQKRQADPGFFCRKIVEGVSQPIWLVS DTRRTSDIQWFQEAYGAVIQTVRVVASEQSRQQRGWVF
 TPGVDDAESECLDNFGNFDWVIENHGDEQCLEDQLEHLLGFIQAKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: BC028659

ORF Size: 351 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.

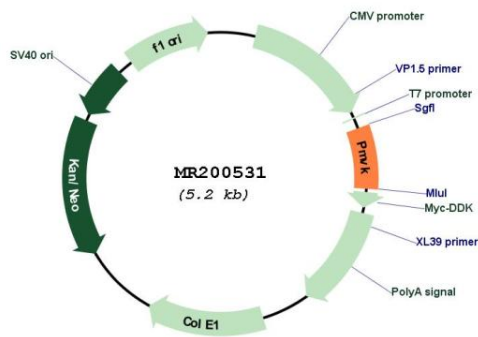
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC028659](#), [AAH28659](#)

RefSeq Size: 1008 bp

RefSeq ORF:	353 bp
Locus ID:	68603
Cytogenetics:	3 F1
MW:	13.4 kDa
Gene Summary:	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. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200531