

## Product datasheet for RN202119

### Mvk (NM\_031063) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mvk (NM\_031063) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mvk  
**Synonyms:** Lrbp  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN202119 representing NM\_031063  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTTGTCAGAAGTCTGCTGGTGTCTGCTCCAGGAAAGTCATTCTCCATGGAGAACATGCTGTGGTCC  
 ATGGCAAGGTAGCTCTGGCGGTGGCCTTGAAGTGAAGAACATTTCTCGTCTGCGACCGCAGAGCAATGG  
 GAAAGTGAGCCTCAATTTACCAAACGTCGGTATTAAGCAGGTCTGGGATGTGGCCACACTTCAGCTGCTG  
 GACACAGGCTTTCTTGGCAAGGCGATGTCCCGGCACCCACCTTGGAGCAACTGGAGAAGCTGAAGAAGG  
 TGGCGGGCCTCCCCGAGACTGTGTAGGCAACGAAGGCCTGTCTCTGCTTGCCTTTCTGTACCTGTACCT  
 GGCTATCTGCCGAAACAGAGGACACTCCCAAGCCTGGACATCATGGTGTGGTGGAACTGCCCCCTGGG  
 GCGGGCTTGGGCTCCAGTGCAGCCTACTCGGTGTGTGGCAGCCGCCCTCCTGACTGCCTGTGAGGAGG  
 TCACCAACCCGCTCAAGGACAGGGGCTCCATTGGCAGTTGGCCGAGGAGACCTGAAGTCAATTAACAA  
 GTGGGCTACGAGGGGGAGAGAGTGATCCATGGGAACCCCTCTGGCGTGGACAATTCGTCAGCACCTGG  
 GGAGGAGCCCTGCGCTACCAGCAAGGGAAGATGTCATCCTTGAAGAGGCTCCAGCTCTGCAGATCCTGC  
 TCACCAACACCAAGTCCCACGAAGCACCAAGGCCCTCGTGGCTGGCGTCAAGAAGCAGGCTAATCAAGTT  
 CCCTGAGATCATGGCCCCGCTCCTGACATCAATTGACGCAATCTCCCTGGAGTGTGAGCGCGTGTGGGA  
 GAGATGGCGGCCGACCAAGTCCCAGAACAGTACCTTGTCTAGAAAGAGCTAATGGACATGAACCAGCACC  
 ATCTGAATGCCCTTGGTGTGGGCCACGCTCCCTGGACCAGCTCTGTGAGGTAACAGCAGCACATGGACT  
 GCACAGCAAGCTGACTGGCGCAGGCGGGCGGCTGTGGCATCACCTCCTGAAGCCAGGCTAGAGCGA  
 GCAAAAGTGGAGGCCCAAGCAGGCCCTGACCGGCTGCGGGTTTACTGCTGGGAGACCAGCATTGGAG  
 CGCCTGGGGTCTCCATGCACTCAGCCACCTCCATAGAGGACCCTGTCCGACAAGCCCTGGGCCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_031063
<b>Insert Size:</b>	1188 bp
<b>OTI Disclaimer:</b>	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).
<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>NM_031063.1, NP_112325.1</u>
<b>RefSeq Size:</b>	1723 bp
<b>RefSeq ORF:</b>	1188 bp
<b>Locus ID:</b>	81727
<b>UniProt ID:</b>	<u>P17256</u>
<b>Cytogenetics:</b>	12q16
<b>Gene Summary:</b>	kinase that catalyzes the ATP-dependent phosphorylation of mevalonic acid to form mevalonate 5-phosphate; involved in the cholesterol biosynthetic pathway [RGD, Feb 2006]