

Product datasheet for **MC200602**

Mvk (NM_023556) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mvk (NM_023556) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mvk
Synonyms: 2310010A05Rik; AI256848; AI414037; MK
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC005606 sequence for NM_023556
 GGAGAAGACCGGGAGCTGCGCCCGGGTTTCAGCTCACTTGGGCGCTGGCCGGGCGAGAAGTCTCAGAAG
 CCATGTTGTGTCAGAAGCCCTGCTGGTGTCCGCCCGGGGAAGGTATCCTCCATGGAGAACACGCTGTGGT
 CCATGGCAAGGTCGCTCTGGCAGCGGCCTTGAACCTTGAAGAACTTCTCCTGCTGCGACCCAGAGCAAT
 GGGAAAAGTGAGCGTCAATTTACCAACATCGGTATTAAGCAGGTGTGGGATGTGGGCATGCTTCAGCGAC
 TGGACACGAGCTTTCTTGTAGCAAGGTGATGTCTCGGTACCCACCTTGGAGCAACTGGAGAAGCTAAAGAA
 GATGGGGGACCTCCCAGAGACCGTGCAGGCAATGAAGGCATGGCTCTGCTTGCCTTTCTACCTGTAC
 CTGGCAATCTGCCGGAAGCAGAGGACACTCCCAGCCTGGACATGGTGGTGTGGTGGAACTTCCCCCG
 GGGCAGGCTTGGGCTCCAGCGCCGCTACTCTGTGTGTCTGGCAGCCGCCCTCTGACTGCCTGTGAGGA
 GGTCTCCAACCCGCTCAAGGACGGGTCTCCGTCAGCAGGTGGCCGAGGAAGATCTGAAGTCAATCAAC
 AAGTGGGCCTTCGAAGGGGAGAGAGTGATCCATGGGAACCCTTCTGGTGTGGACAATGCCGTCAGCACCT
 GGGGCGGAGCCCTGCGCTTCCAGCAAGGGACGATGCTTCTTGAAGAGCCTCCCGTCTCTGAGATCCT
 GCTCACCAACACCAAGGTCCCAGCGAGTACCAAGGCCCTTGTGGCTGCTGTGAGAAGCAGGCTGACCAAG
 TTCCCTGAGATTGTGGCCCGCTGCTGACCTCCATTGACGCAATATCCCTGGAGTGTGAGCGGTGCTAG
 GGGAGATGGTGGCAGCTCCAGTTCGGAACAGTACCTCGTACTAGAAGAGCTGATAGACATGAACCAGCA
 CCATCTGAATGCTCTCGGGTGGGCCAACACTCCCTGGACCAGCTCTGCCAAGTAACGGCAGCACACGGA
 CTGCACAGCAAGCTGACGGGCGCTGGCGGTGGCGGCTGTGGCATCACCTCCTGAAGCCAGGTCTAGAGC
 AAGCCACAGTGGAGGCAGCAAGCAGGCCCTGACCAGCTGCGGGTTTACTGCTGGGAGACCAGCATCGG
 CGCACCCGGAGTTCCACACACTCAGCTGCAGCTGTAGGGGACCCTGTCCGACAAGCCCTGGCCCTCTGA
 GACCACCCGACACACCATCCTACCAAGAAGCCTTAAGTATCTGGGGCTGGAGTTGGCCTGCACCTTCTA
 GACTCTGACCTCATCCGTGTTCTGCCGTTTCTGAAGCCAGGCAGGGATTAGTTGTGGGTCTTCTGAGAT
 GGCAGGCTGACACAGGAGGCTTCCGCCCTGGAGCTCCTATGGGCACATCGGCCTCACACAACTCTCTGG
 CTCCTAGCCACGCACTTCTGTCCAGCCAGATGTCCCCTAAGGAACCACCTGGCCAGCAGCTCGTGGC
 TCCTGGCTCCTGGCTCTTGCCTCTCTCGGAGATCATCAGCTGAGGCAAGGCATGCCGACTGCCTGTCTC
 CGTGTGGAAAAGCTGCTGTGGGGAAAATAAAAAGAAAATAGTACAAAACAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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Restriction Sites:	RsrII-NotI
ACCN:	NM_023556
Insert Size:	1188 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).
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:	<ol style="list-style-type: none">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.
RefSeq:	BC005606 , AAH05606
RefSeq Size:	1712 bp
RefSeq ORF:	1188 bp
Locus ID:	17855
UniProt ID:	Q9R008
Cytogenetics:	5 55.99 cM
Gene Summary:	<p>This gene encodes mevalonate kinase, a key enzyme involved in the biosynthesis of cholesterol and non-sterol isoprenes. The complete lack of encoded protein is lethal to mouse embryos. Mice lacking one allele of this gene exhibit increased levels of mevalonate in spleen, heart and kidney, as well as increased levels of serum immunoglobulins A and D. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p>