

## Product datasheet for **SC209093**

### **MVK (NM\_000431) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	MVK (NM_000431) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MVK
Synonyms:	LRBP; MK; MVLK; POROK3
ACCN:	NM_000431
Insert Size:	1578 bp



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**Insert Sequence:** >SC209093 3'UTR clone of NM\_000431  
 The sequence shown below is from the reference sequence of NM\_000431. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGAGTCCAGCAAGCCCTGGATGGCCTCTGAGAGGAGCCACGACACTGCAGCCCCACCCAGATGCCCTT
TTCTGGATTATTCTGGGGCTGCAGTTCGACTCTGTGCTGGCCAGCGAGCGCCAGCTCCTGACACTGC
TGGAGAGGCCCGAGCCGCTTGGCGATGCCAGCCAAGCTCTGCAGTCCCAGCGGTGGGACCTAGGGAGGC
ATGGTCTGCCCTCTGCATCCTCTGGAGCCAGCCGAGCAGGAGGCCTAGGAGGGTCTCTGAGACTCCAG
ACCTGAGGCGAGAAGGGCTGCTCCCTGAAGCTCCACAGTCCCATCTGCTTCAGGCCCCCGCTTGGC
CTGTGTTCTTCTGGCCGCTGGTCCAATGCTCAGGTGCTGGGGCTGGTTCGCGAGAAGTGTGCCCT
TCTCTCCCTTTTCAGGGACCGCCCTGTCTCTCAGGGCCAGGCCTCTCCCTCCTCCAGGAAGCCTT
CCCCTACCCCTTGTGCGCCCTCCCTCCCAGAGCACCTGCTGTCTGGGTGGCTCACTCAGCACTTGGTGT
GGCCTTCCCTTCTACCTAGCGGGATGGGGCTCCCCAGGGGCTGTCCCGAGGCGGTGGGCTGGTTAA
ATAAGGCAGGGTTTATATGCACTTTCTCCGATCTGTACCTGAGAGGTTTGTGGAAGATGGCAAATG
GGGAATAAAAAGATTTTGTGTAACAGTAGAGACTCCAGGCCACCAGCACCTCCCTCTGTCCCTGTCCC
CTCTCCAGCTGTTTCTCCATGGAGCTCTTCAACAATGGAGGAAATAGGGTTTGGGGTCACTTTGTTG
TGCGTCTTGGGGATGAGGTGGCTTTTCCAGATGGCCCTTGTGGAGAGGGACTGGGACACGGCTCTCA
GTCCATCAGCACAACTCTAGGCTGCTGCTGCGGAGGGAGAAGTTGAGCTTCTAGCTCCAGAATCACAA
GCACCCACGAGACACAGACCTGTGTAAGACAGGAAAGCAGAACCTGCCATCGCTCCTGGGGCGCGCCT
TCCTTTTGAAATGAACTGGCTGGATGGAGAAAACAGACTCAAATGTTCTGGCCCGGGTGCCTGGCACT
CCCCACCCCGCCCGCCACCGCCCTATTGAACTTTATATTGAGTCACTGCTTGGTGTTCGAAATG
CCATTAGCCATCAGGAAACCTTGTAGTTGGTGCCTTGCCAGCCAGAACCTTGGGACCCACGGACCTG
CAAAGAGGCCGAGTGAAAGGTGGGGGCGCGCAGGGATTTAGGATGAGGTGAAAGCGATTCACTGTC
GCGTCTGCCCTTGGCCACTAGGGGGCAGCTGGCGGCTTCCCTGCTGTTGTCTTCTGCAGGGTGAAG
GAGCAGGAGCCGAGCTCCACCCACGCCAGCCTTGGGCCCGCCTGGGATCACTGCTGGGAACGTGAG
AGTGAAGGGAGGACGCCTACCCAGCTTAACCTGTAGAAATGGCCCCAGATCACTGATGGCTGTTCCCT
GCCCTTCCCTTCAAACACAACGCATAAAGCAGTAATACTAATTAATACTGAACGCTCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_000431.4](#)

**Summary:** This gene encodes the peroxisomal enzyme mevalonate kinase. Mevalonate is a key intermediate, and mevalonate kinase a key early enzyme, in isoprenoid and sterol synthesis. Mevalonate kinase deficiency caused by mutation of this gene results in mevalonic aciduria, a disease characterized psychomotor retardation, failure to thrive, hepatosplenomegaly, anemia and recurrent febrile crises. Defects in this gene also cause hyperimmunoglobulinaemia D and periodic fever syndrome, a disorder characterized by recurrent episodes of fever associated with lymphadenopathy, arthralgia, gastrointestinal distention and skin rash. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

**Locus ID:** 4598

**MW:** 56.9