

## Product datasheet for **MR207446**

### Vim (NM\_011701) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vim (NM_011701) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vim
Synonyms:	MGC102095
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207446 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCTACCAGGTCTGTGTCCTCGTCTCTACCGCAGGATGTTCCGGTGGCTCCGGCACATCGAGCCGGC  
 CCAGCTCCAACCGGAGCTATGTGACCACGTCCACACGCACCTACAGTCTGGGCAGCGCACTGCGCCCCAG  
 CACTAGCCCGCAGCCTCTATTCTCATCCCCGGTGGCGCCTATGTGACCCGGTCTCGGCAGTGGCCTG  
 CGGAGCAGCGTGCCGGCGTGGCGTCTCAAGACTCGGTGGACTTCTCGCTGGCCGACGCCATCAACA  
 CTGAGTTCAAGAACACCCGCACCAACGAGAAGGTAGAAGTGCAGGAGCTGAATGACCCGTTTGCCAACTA  
 CATCGACAAGGTGCGCTTCTCGAGCAGCAGAACAAAATCTGCTGGCTGAGCTCGAGCAGCTCAAGGGC  
 CAGGGCAAGTGGCGCTGGCGACCTGTACGAGGAGGAGATGCGGGAGCTGCGCCGGCAGGTGGATCAGC  
 TCACCAACGACAAGGCCCGTGTGAGGTGGAGCGGACAACCTGGCCGAGGACATCATGCGGCTGCGAGA  
 GAAATTGCAGGAGGAGATGCTCCAGAGAGAGGAAGCCGAAAGCACCTGCAGTCATTGACAGGATGTT  
 GACAATGCTTCTGTCACGCTTTGACCTTGAACGGAAAGTGAAATCCTTGCAGGAAGAAATGCGCTTTT  
 TGAAAGAACTGCACGATGAAGAGATCCAGGAGCTGCAGGCCAGATTCAGGAACAGCATGTCAGATCGA  
 TGTGGACGTTTCCAAGCCTGACCTCACTGCTGCCCTGCGTGATGTGCGCCAGCAGTATGAAAGCGTGGCT  
 GCCAAGAACCTCCAGGAGCCGAGGAATGGTACAAGTCCAAGTTTGTGACCTCTCTGAGGCTGCCAACC  
 GGAACAACGATGCCCTGCGCCAGGCCAAGCAGGAGTCAAACGAGTACCGGAGACAGGTGCAGTCACTCAC  
 CTGTGAAGTGGATGCCCTTAAAGGCACTAACGAGTCCCTGGAGCGCCAGATGCGTGAGATGGAAGAGAAT  
 TTTGCCCTTGAAGCTGCTAACTACCAGGACACTATTGGCCGCTGCAGGATGAGATCCAAAACATGAAGG  
 AAGAGATGGCTCGTCACCTTCGTGAATACCAAGATCTGCTCAATGTTAAGATGGCCCTGGACATGAGAT  
 CGCCACCTACAGGAAGCTGCTGGAAGCGAGGAGAGCAGGATTTCTGCTGCTGCGCAACCTTTTCTTCC  
 CTGAACCTGAGAGAACTAACCTGGAGTCACTTCTCTGTTGACACCCACTCAAAAAGAACACTCTGA  
 TTAAGACGGTTGAGACCAGAGATGGACAGGTGATCAATGAGACTTCTCAGCATCACGATGACCTTGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207446 protein sequence  
 Red=Cloning site Green=Tags(s)

MSTRSVSSSSYRRMFGSGTSSRPSSNRSYVTTSTRTYSLGSALRPSTSRSLYSSSPGGAYVTRSSAVRL  
 RSSVPGVRLQLQSVDFSLADAINTEFKNTRTNEKVELQELNDRFANYIDKVRFLQEQNKILLAELEQLKG  
 QGKSRLGDLYEEEMRELRRQVDQLTNDKARVEVERDNLAEIMRLREKLQEEMLQREEAESTLQSFRODV  
 DNASLARLDLERKVESLQEEIAFLKKLHDEEIQELQAQIQEQHVQIDVDVSKPDLTAALRDVRRQYESVA  
 AKNLQEAEEWYKSKFADLSEAANRNNDALRQAKQESNEYRRQVQSLTCEVDALKGTNESLERQMRMEEN  
 FALEAANYQDTIGRLQDEIQNMKEEMARHLREYQDLLNVKMALDIEIATYRKLLEGEESRISLPLPTFSS  
 LNLRETNLESPLVDTHSKRLLIKTVETRDGQVINETSQHDDLE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_011701

**ORF Size:** 1401 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

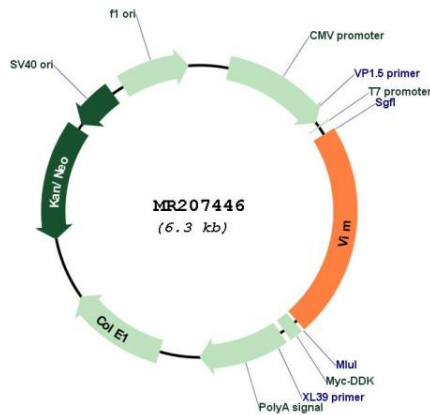
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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.

**RefSeq:** [NM\\_011701.4](#)  
**RefSeq Size:** 1834 bp  
**RefSeq ORF:** 1401 bp  
**Locus ID:** 22352  
**UniProt ID:** [P20152](#)  
**Cytogenetics:** 2 10.04 cM  
**MW:** 53.7 kDa

**Gene Summary:** Vimentins are class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is attached to the nucleus, endoplasmic reticulum, and mitochondria, either laterally or terminally.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR207446