

Product datasheet for **RN200683**

Vim (NM_031140) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vim (NM_031140) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Vim
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200683 representing NM_031140
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCACCAGGTCGGTGTCTCTCTACCGCAGGATGTTCCGGTGGCTCCGGCACATCGAGCCGGC
CCAGCTCCAACCGGAGCTATGTGACCACATCCACCCGCACCTACAGCCTAGGCAGCGCGCTGCGCCCCAG
CACTAGCCGCAGCCTCTATTCTCGTCCCGGGTGGCGCCTATGTGACCCGGTCTCCGCGCTGCGCCTG
CGGAGCAGCATGCCCGCGTGGCGTGTGCGAGGACTCCGTGGACTTCTCGTGGCCGACGCCATCAACA
CCGAGTTCAAGAACACCCGCACCAACGAGAAGGTGGAATTGCAGGAGCTGAATGACCCGTTCCGCAACTA
CATCGACAAGGTGCGCTTCTCGAGCAGCAGAACAAAATCCTGCTGGCCGAGCTCGAGCAGCTTAAGGGC
CAGGGCAAGTCCGCGCTGGGCGACCTCTACGAGGAGGAGATGAGGGAGTTGCGCCGCGAGGTGGATCAGC
TCACCAATGACAAGGCCCGTGTGAGGTGGAGAGGGACAACCTGGCCGAGGACATCATGCGGCTGCGAGA
AAAATTGCAGGAGGAGATGCTCCAGAGGGAGGAAGCCGAGAGCACCTGCAGTCATTCAGACAGGATGTT
GACAATGCTTCTCTGGCAGCTTTGACCTTGAAGTAAAGTGGAATCCTTGCAGGAAGAAATTCCTTTT
TGAAGAAGCTGCACGATGAAGAGATCCAGGAGCTGCAGGCCAGATTCAGGAACAGCATGTCAGATCGA
TGTGGACGTTTCCAAGCCTGACCTACCCTGCGCTGCGTGTGATGTCGCGCAGCAGTATGAAAGTGTGGCT
GCCAAGAACCTCCAGGAGGCCGAGGAATGGTACAAGTCCAAGTTGCTGACCTCTCTGAGGCTGCCAACC
GGAACAACGATGCCCTGCGCCAGGCAAAGCAGGAGTCAAACGAATACCGGAGACAGGTGCAGTCACTCAC
CTGCGAAGTGGATGCCCTTAAAGGCACTAATGAGTCCCTGGAGCGCCAGATGCGTGAATGGAAGAGAAT
TTTGCCCTTGAAGCTGCTAACTACCAGGACACTATTGGCCGCTGCAGGATGAGATCCAGAACATGAAGG
AAGAGATGGCTCGCCACCTTCGTGAATACCAGGACCTGCTCAATGTAAAGATGGCTCTTGACATTGAGAT
CGCCACCTACAGGAAGCTGCTGGAAGGGGAGGAGAGCAGGATTTCTCTGCCTCTTCCAAACTTTTCTTCC
CTGAACCTGAGAGAACTAACCTGGAGTCACTTCTCTGTTGACACCCACTCCAAAAGAACTCCTGA
TTAAGACGGTTGAAACCAGAGACGGACAGGTGATCAATGAGACTTCTCAGCACCACGATGACCTTGAATA
A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031140

Insert Size: 1401 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:

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_031140.1](#), [NP_112402.1](#)

RefSeq Size: 1796 bp

RefSeq ORF: 1401 bp

Locus ID: 81818

UniProt ID: [P31000](#)

Cytogenetics: 17q12.3

Gene Summary: class-III intermediate filament of the cytoskeleton; along with desmin (the subunit specifically expressed in muscle), vimentin is specific for mesenchymal tissue [RGD, Feb 2006]