

Product datasheet for **MR207667**

Vtn (NM_011707) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vtn (NM_011707) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vtn
Synonyms:	A1256434; Vn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207667 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACCCCTGAGGCCCTTTTTCATACTAGCCCTGGTGGCATGGGTTTCTCTGGCTGACCAAGAGTCAT
 GCAAGGGCCGCTGCACTCAGGGTTTCATGGCCAGCAAGAAGTGTCAAGTGTGACGAGCTTTGCACTTACTA
 TCAGAGCTGCTGTGCCGACTACATGGAGCAGTGAAGCCCAAGTAACGCGGGGGGACGTGTTCACTATG
 CCAGAGGATGATTATTGGAGCTATGACTACGTGGAGGAGCCCAAGAACAATACCAACACCGGTGTGCAAC
 CCGAGAACACCTCTCCACCCGGTACCTAAATCCTCGACGGACGGCACTCTAAAGCCGACAGCCTTCT
 AGATCCTGAGGAACAGCCAAGCACCCAGCGCCTAAAGTGGAGCAACAGGAGGAGATCCTAAGGCCCGAC
 ACCACTGATCAAGGGACCCCTGAGTTCCAGAGGAAGAACTGTGCAGTGGAAAGCCCTTTGACGCCCTTCA
 CGGATCTCAAGAATGGGTCCTCTTTGCCCTCCGAGGGCAGTACTGCTATGAGCTAGATGAGACGACAGT
 GAGGCCTGGGTACCCAACTTATCCAAGATGTCTGGGGCATTGAGGGCCCATCGATGCTGCCTTCACT
 CGCATCAACTGTAGGGGAAGACCTACTTGTTCAGGGTGTGACTACTGGCGCTTTGAGGATGGGGTCC
 TGGACCCTGGTTATCCCCGAAACATCTCCGAAGGCTTCAGTGGCATAACCAGACAATGTTGATGCAGCGTT
 CGCCCTTCTGCCACCGTTACAGTGGCCGGGAAAGGGTCTACTTCTTCAAGGGGAAGCAGTACTGGGAG
 TACGAATTCAGCAGCAACCCAGCCAGGAGGAGTGCAGGGCAGCTCTCTGTGACCGGTGTTGAGCACT
 TTGCCTTGCTTACGCGGGACAGCTGGGAGAACATTTTCGAACTCCTCTTCTGGGGCAGATCCTCTGATGG
 AGCCAGAGAACCCCAATTCATCAGCCGGAAGTGGCATGGTGTGCCAGGAAAGTGGACGCTGCTATGGCC
 GGCCGCATCTACGTCACTGGCTCCTTATCCACTCTGCCAAGCCAAAAACAGAAGTCTAAGCGTAGAA
 GCCGAAAGCGCTATCGTTCACGCCGAGGGCGTGGCCACAGACGACCCAGAGCTCGAATCCCGCTGTTT
 ATCAGTTCAATCTGGTCTCTTTGTTCTCCAGCGAGGAGAGTGGGCTAGGAACCTACAACAACATGAT
 TATGATATGGACTGGCTTGTACCTGCCACCTGCCAGCCATTCAGAGCGTCTATTTCTTCTGAGACA
 AATACTACCGAGTCAACCTAGAACCCGGCGAGTGGACTCTGTGAATCCTCCCTACCCACGCTCCATTGC
 TCAGTATTGGCTGGGCTGCCGACCTCTGAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207667 protein sequence
 Red=Cloning site Green=Tags(s)

MAPLRPFFILALVAWVSLADQESCKGRCTQGFMAKSKKQCDELCTYYQSCCADYMEQCKPQVTRGDVFTM
 PEDDYWSYDYVEEPKNNNTNGVQPENTSPPGDLNPRTDGTLKPTAFLDPEEQPSTPAPKVEQQEILRPD
 TTDQGTPEFPPEELCSGKPFDAFTDLKNGSLFAFRGQYCYELDETTVRPGYPKLIQDVWGIIEGPIDAAFT
 RINCQGTKTYLFGKSQYWRFDGVLDPGYPRNISEGFSGIPDNVDAALPAHRYSGRERVYFFKKGQYWE
 YEFQQPSQEECEGSSLSAVFEHFALLQRDSWENIFELLFWGRSSDGAREPQFISRNWHGVPGKVDAAAMA
 GRIYVTGSLSHSAQAKKQKSKRRSRKRYRSRRGRGHRRSQSSNSRRSSRSIWFSLFSSEESGLGTYNND
 YDMDWLVPATCEPIQSVYFFSGDKYYRVNLRTRRVDSVNPYPYPRSIAQYWLGCPTSEK

TRTRPLEQ**KL**I**SEEDLA**ND**ILDYK**DDDD**KV**

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_011707

ORF Size: 1437 bp

OTI Disclaimer: 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_011707.1](#), [NM_011707.2](#), [NP_035837.1](#)

RefSeq Size: 1763 bp

RefSeq ORF: 1437 bp

Locus ID: 22370

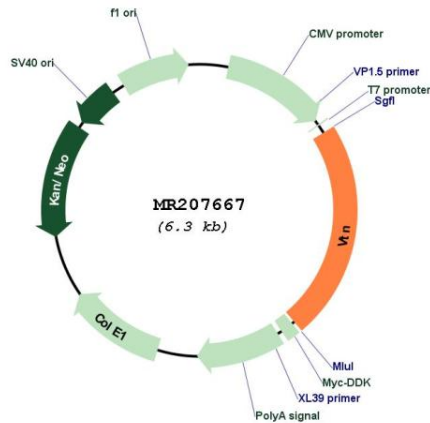
UniProt ID: [P29788](#)

Cytogenetics: 11 46.74 cM

MW: 54.9 kDa

Gene Summary: Vitronectin is a cell adhesion and spreading factor found in serum and tissues. Vitronectin interact with glycosaminoglycans and proteoglycans. Is recognized by certain members of the integrin family and serves as a cell-to-substrate adhesion molecule. Inhibitor of the membrane-damaging effect of the terminal cytolytic complement pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207667