

Product datasheet for **RR202827**

Vasn (NM_001109382) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vasn (NM_001109382) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vasn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR202827 representing NM_001109382
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCACTCCAGGAGCTGCCTGCCACCTTCTCTGTTGTTGCTCCTGGTGTCTCTGGGTCTGGAGTACAGA
 GCTGCCCATCAGGCTGCCAGTGCAACCAACCACAGACAGTCTTCTGCACTGCCCGTCAGGGAACACGGT
 GCCCCGAGACGTGCCGCCTGACACAGTGGGCTGTACATCTTTGAGAACGGCATCACTACACTTGATGTA
 GGCTGTTTTGCTGGCTTCCAGGCTGCAGCTTCTGGACTTGTACAGAACAGATCACTAGCCTGCCCG
 GTGGCATCTTTCAGCCACTTGTGAACCTCAGTAACCTGGACCTGACTGCTAACAACTGCACGAGATCTC
 CAACGAGACCTTCCGTGGCTGCGGCGCTCGAACGCCTCTACCTGGGCAAGAACCAGCATTGCCACATC
 CAGCCTGGTGCCTTCGATGCACTTGACCACCTCCTGGAGCTCAAGCTGCCAGACAATGAGCTTCGGGTGC
 TGCCCCACTGCACTTGCTCGCTGCTGCTTGACCTCAGCCACAACAGTATCCAGCCTGGAAGC
 TGAATACTGGATACTGCCAATGTGGAGGCACTGCGGCTGGCTGGCTCGGGCTGCGGCAGCTGGATGAG
 GGGCTTTTTGGCCGCTTCGCAACCTCCATGACCTGGATGTTTCTGACAACAGTTGGGGCACATGCCCT
 CCGTGATCAAGGCTGCGTGGCTGACACGCCTGCGGCTGGCTGGCAACACCCGGATTGCCAGATCCG
 GCCCGAGGACCTCGTGGCTGACTGCCCTACAGGAACGGATGTGAGCAACCTGAGCCTGCAGGCCCTG
 CCCAGTGACCTCTCCAGTCTCTTTCCCGCCTGCGCCTCCTAGCAGCTGCCCGAAACCCCTTTAACTGCT
 TATGCCCTTGAGCTGGTTTGGTCTTGGGTTTCGTGAGAGCCATGTTGTGCTGGCCAGCCCTGAGGAGAC
 ACGTTGCACTTCCACCAAGAACGCCGGCCGACTGCTCCTGGAGCTGGATTATGCAGATTTTGGCTGC
 CCAGTCACTACCACAGCCACAGTTCCTACTATAAGGCCTACTGTGAGGAGCCACACCTTCAACT
 CCAGCCAAGCTCCACCTGGCCAGCCACAGGCAACTACCCAGGCCCCATCGTACTGCCACTGC
 CCCACCAACCATGAGCCGGCTCCTCAGCCCCAGGACTGTCCAGCATCCATCTGCCTGAATGGTGGTAGC
 TGCCGTGTAGGGCAAAACACCCTGGAGTGCCTGTGCCCGAGGGCTTCATTGGCCTGTACTGTGAGA
 GTCCCGTGAACAAAGGACAAAGCCAGCTCCATACCGGACACCCACGGCCCCCGGGCTGCTGCCTCT
 GCGCATTGAGCCGGTGAAGCCACCTCCCTGCGTGTGGAGCTGCAGCGCTACCTGCAGGGCAACACCGTG
 CAGCTGCGGAGCCTCCGGCTCACCTACCGCAACCTGTCTGGCCCTGACAAGCGGCTGGTACGCTGCGGC
 TGCTGCTTCACTTGCAGAGTACACAGTACCCAGCTGCGGCCAATGCCACCTATTCTATCTGTGTAC
 AGCCCTGGGAGCTGGGCGGACACCTGAAGGTGAGGAGCCTGTGGGAGGCAACACTCCCAGGCCGTC
 CGCTCAACCATGCCAGTCAACCCAGGCCGGGAGGCAACCTGCCACTCCTCATTGCACCCGCCCTGG
 CTGCTGTCTTCTGGCTGTGTTGGCTGCCTCGGGGGCAGTCTACTGTGTGCGACGGGCGCGGCAAGTTC
 CACAGCTCAGGACAAAGGGCAGGTGGGACCAGGGACCGGGCCCTGGAAGTAGAGGGGTGAAAGTCCCC
 TTGGAGCCAGGCTCCAAGGCATCAGAGGGAGGCGGGGAGGCCCTATCAGGTGGTCTGAATGTGAGGTGC
 CCCTCATGGGCTACCCAGGGCCAGTCTCAGGGGTCTCCCTGCTCAGCCCTACATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202827 representing NM_001109382
Red=Cloning site Green=Tags(s)

MHSRSCLPPLLLLLLVLGSGVQSCPSGCQCNPQTVFCTARQGTTPRDVPPDTVGLYIFENGITTLDV
 GCFAGFPGLQLLDLSQNQITSLPGGIFQPLVNL SNLDL TANKLHEISNETFRGLRRLERLYLGKNRIRHI
 QPGAFDALDHLLELKLDPNELRVLPLHLPRLLLLDL SHNSIPALEAGILDTANVEALRLAGLGLRQLDE
 GLFGRLRNLHDLVDSDNQLGHMPSVIQGLRGLTRLRLAGNTRIAQIRPEDLAGLTALQELDVSNSLSQAL
 PSDLSSLFPRLRLAAARNPFNCLCPLSWFGPWVRESHVVLASPEETRCHFPPKNAGRLLELDYDFGC
 PVTTTTATVPTIRPTVREPTSTSSQAPTWPSPTEPTTQAPIVLSTAPPTMRPAPQPQDCPASICLNGGS
 CRVGAKHHLECLCEPGFIGLYCESPVEQRTKPSSIPDTPRPPRLPLRIEVPVSPTSLRVELQRYLQGNTV
 QLRSLRLTYRNLSGPDKRLVTLRLPASLAEYTVTLRPNATYSICVTALGAGRTPEGEEACGEANTPQAV
 RSNHAPVTQAREGNLPLLIAPALAAVLLAVLAASGAVYCVRRARASSTAQDKGQVGPGTGPLELEGVKVP
 LEPGSKASEGGGEALSGGPECEVPLMGYPGPSLQGVLPAPQPYI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001109382

ORF Size: 2019 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_001109382.1](#), [NP_001102852.1](#)

RefSeq Size: 2739 bp

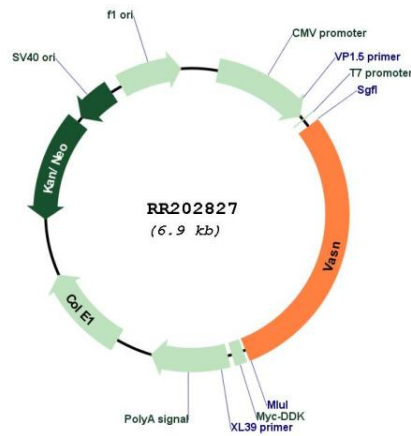
RefSeq ORF: 2022 bp

Locus ID: 679921

Cytogenetics: 10q12

MW: 72.3 kDa

Product images:



Circular map for RR202827