

Product datasheet for **RG219141**

VNN3 (NM_018399) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VNN3 (NM_018399) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VNN3
Synonyms:	HSA238982; MGC124285; MGC171203; OTTMUSP00000022908; PAGEL-beta; PAGEL-eta; PAGEL-zeta; vanin 3; vascular non-inflammatory molecule 3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219141 representing NM_018399 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATTATATCACATTTTCCAAATGTGTGGCAGTTTTTGCCTCCTTGCTCTGAGTGTTGGTGCCTGG
 ACACTTTTATTGCTGCAGTATATGAGCATGCGGTGATATTACAAACAGAACAGAAACACCTGTTTCAAA
 AGAAGAAGCTTTGCTCCTGATGAACAAGAACATAGATGTTTGGAGAAAGCAGTTAAGCTGGCAGCGAAG
 CAGGGTGACATATCATTGTGACCCAGAGATGGAATCTATGGTTGGATCTTCACCAGGGAGAGCATTT
 ACCCCTATCTAGAGGATATACCAGACCCTGGAGTGAAGTGGATTCCATGTAGAGACCCTGGAGATTCGG
 CAACACACCAGTGCAACAAAGACTCAGCTGCCTGGCCAAGGACAACCTCTATCTATGTCGTGGCTAATATT
 GGGGACAAGAAGCCATGCAATGCCAGTGACTCTCAGTGTCCCCCTGATGGCCGTTACCAATACAACACTG
 ATGTGGTGTGTTGATTCTCAGGGAAAAGTGTGGCAGCTACCATAAGTACAATCTTTTGCACCTGAAAT
 TCAGTTTGATTTCCCAAGGATTCAGAACTTGTGACTTTTGACACTCCCTTTGGGAAGTTTGGCATTGTTT
 ACTTGCTTTGACATTTTCTCATGACCCAGCTGTGGTGGTGGTGGATGAGTTTCAATTGACAGCATTCT
 CTACCCACAGCATGGTACAACAGCTGCCCTCCTCTCGGCTGTTCCCTTCCATTGAGCATGGGCCAAG
 GCCATGGGAGTCAATCTACTTGCTGCAAATACCCACAACACCAGCATGCACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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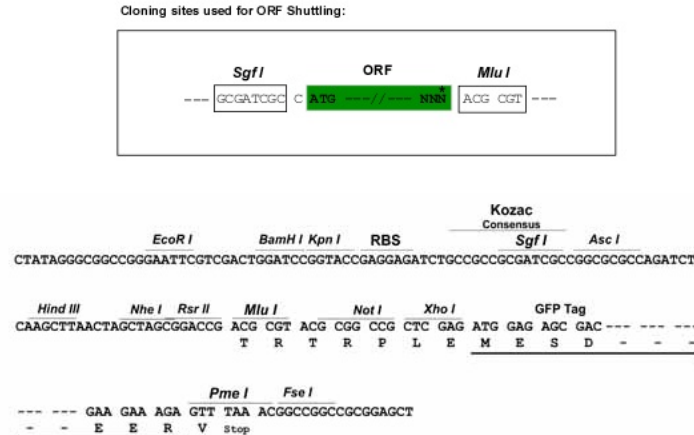
Protein Sequence: >RG219141 representing NM_018399
 Red=Cloning site Green=Tags(s)

MIISHFPKCVAVFALLALSVGALDTFIAAVYEHAVILPNRTETPVSKEEALLMNKNIDVLEKAVKLA
 QGAHIIVTPEDGIYGWIFTRESIYPYLEDIPDPGVNWIPCRDPWRFNGNTPVQRLSCLAKDNSIYV
 VANIGDKKPCNASDSQCPPDGRYQYNTDVVFDSSQKLLARYHKYNLFAPEIQDFPKDSELVTFDTP
 FPGKFGIFTCFDIFSHDPAVVVVDEFQLTAFSTPQHGTTRCPSSRLFPSIQHGPRPWESIYLLQIPTT
 PACT

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018399

ORF Size: 822 bp

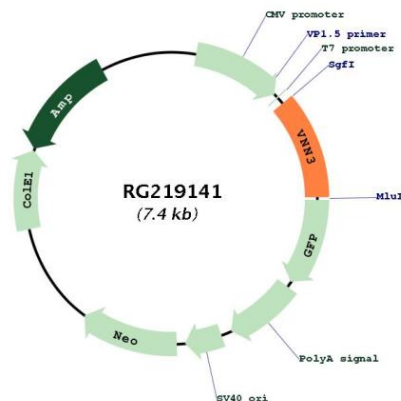
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_018399.3, NP_060869.2</u>
RefSeq Size:	1733 bp
RefSeq ORF:	824 bp
Locus ID:	55350
Cytogenetics:	6q23.2
Protein Families:	Transmembrane
Gene Summary:	This gene is the central gene in a cluster of three vanin genes on chromosome 6q23-q24. Extensive alternative splicing has been described; the two most common variants are represented as RefSeqs. [provided by RefSeq, Apr 2014]

Product images:



Circular map for RG219141