

Product datasheet for **SC329931**

VNN2 (NM_001242350) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VNN2 (NM_001242350) Human Untagged Clone
Tag:	Tag Free
Symbol:	VNN2
Synonyms:	FOAP-4; GPI-80
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329931 representing NM_001242350. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGTCACTTCCTCTTTTCCAATCTCTGTGGCAGTTTTTGGCCTAATAACCCTGCAGTTGGTACTCAG
GACAGTTTTATAGCTGCAGTGTATGAACATGCTGTCTTTTCCAAATAAAACAGAAACACCAGTTTCT
CAGGAGGATGCCTTGAATCTCATGAACGAGAATATAGACATTCTGGAGACAGCGATCAAGCAGGCAGCT
GAGCAGGGTGCTCGAATCATTGTGACTCCAGAAGATGCACTTTATGGATGGAAATTTACCAGGGAACT
GTTTTCCCTTATCTGGAGGATATCCAGACCCTCAGGTGAACTGGATTCCGTGTCAAGACCCCCACAGA
TTTGGTCACACCAGTACAAGCAAGACTCAGCTGCCTGGCCAAGGACAACCTCTATCTATGTCTTGGCA
AATTTGGGGGACAAAAGCCATGTAATCCCGTGACTCCACATGTCCTCCTAATGGCTACTTTCAATAC
AATACCAATGTGGTGTATAATACAGAAGGAAAACCTCGTGGCACGTTACCATAAGGTCTGCACAATGCTG
AAGTGCAAACTACTAATTTGACAACTTGTGGACGGCCAGTAGAACTGCTTCTACAAGATTTGAAATG
TTCTCCCTCAGTGGCACATTTGGAACAGAGTATGTTTTTCTGAAAGTGCTACTTACCGAAATTCATCTG
TCACCTGGAAAATTTGAGGTGCTGAAAGATGGGCGTTTGGTAAACAAGAATGGATCATCTGGGCCTATA
CTAACAGTGTCACTCTTTGGGAGGTGGTACACAAGGACTCACTTTACAGCTCATGTGGGACCAGCAAT
TCAGCAATAACTTACCTGCTAATATTCATATTATTAATGATCATAGCTTTGCAAAATATTGTAATGTTA
TAG
  
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001242350
Insert Size:	900 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).



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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_001242350.2](#)

RefSeq Size: 1470 bp

RefSeq ORF: 900 bp

Locus ID: 8875

UniProt ID: [O95498](#)

Cytogenetics: 6q23.2

Protein Families: Druggable Genome, Transmembrane

MW: 33.3 kDa

Gene Summary: This gene product is a member of the Vanin family of proteins that share extensive sequence similarity with each other, and also with biotinidase. The family includes secreted and membrane-associated proteins, a few of which have been reported to participate in hematopoietic cell trafficking. No biotinidase activity has been demonstrated for any of the vanin proteins, however, they possess pantetheinase activity, which may play a role in oxidative-stress response. The encoded protein is a GPI-anchored cell surface molecule that plays a role in transendothelial migration of neutrophils. This gene lies in close proximity to, and in same transcriptional orientation as two other vanin genes on chromosome 6q23-q24. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, May 2011]

Transcript Variant: This variant (5) lacks two alternate in-frame exons in the coding region, compared to variant 1. The resulting protein (isoform 3) is shorter but has the same N- and C-termini compared to isoform 1.