

Product datasheet for **SC335577**

VASH2 (NM_001301056) Human Untagged Clone

Product data:

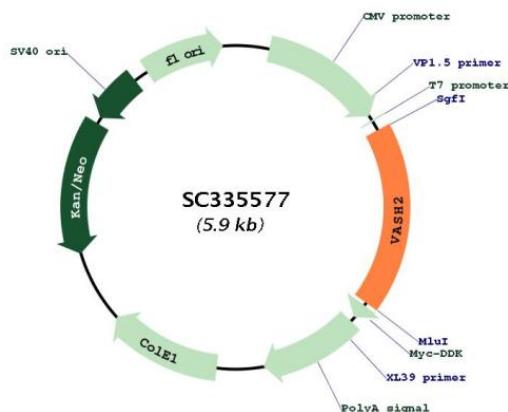
Product Type:	Expression Plasmids
Product Name:	VASH2 (NM_001301056) Human Untagged Clone
Tag:	Tag Free
Symbol:	VASH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335577 representing NM_001301056. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCGGCTCCGCGGCCGACACTCACCCTGCCCCACCCCAAAGGCGCCAAAGGCACCCGGTCCCGG
AGCAGCCACGCGCGGCCCGTGTAGCCTCGCCACCAGCGGGGCTCAGAGGAGGAGGACAAAGACGGCGGG
GTGCTGTTCCACGTCAACAAGAGCGGCTTCCCCATCGACAGCCACACCTGGGAGCGCATGTGGATGCAC
GTGGCCAAGGTGCACCCTAAGGGGGGAGAAATGGTGGGCGCCATCAGGAACGCCCTTCTTGGCAAAG
CCTTCAATACCCAGGTCCCAAACACAGGCTGTGATGACGATCCAGACTGGCTCCAGGCGATCCAG
AATTACATGAAGACCCTACAATAATACACAGGGACCCAGTTCTTTGAAATTAGGAAAATGAGACCG
CTGAGTGGGTTAATGGAAACAGCAAAGAAATGACCCGAGAGTCCTTGCCATCAAATGCCTTGAAGCT
GTCATCCTGGGCATCTACTTAACCAATGGGCAGCCTTCCATTGAGCGGTTCCCATCAGCTTTAAAACC
TACTTCTCAGGAACTACTTTACCACGTTGTGCTGGGATTTACTGCAATGGCCGCTATGGCTCATTG
GGCATGAGCCGAGGGCTGAGCTGATGGACAAGCCATTGACTTTTCGGACTCTGAGTGACCTCATCTTT
GACTTTGAGGACTCTTACAAGAAATACCTGCACACAGTCAAGAAGGTCAAGATTGGGCTGTACGTCCCC
CATGAGCCTCATAGCTTCCAGCCATTGAGTGAAGCAGCTGGTCCCTCAACGTCTCAAAGATGCTGAGG
GCTGACATAAGGAAGGAGCTGGAGAAATATGCCAGGGACATGAGAATGAAGATCCTGAAACCTGCAAGT
GCCCACTCTCCGACCCAAGTGAAGGCCGGGAAAATCCCTGTCCCCAGAAGGAGACAGGCAAGCCCC
CCGAGGAGGCTCGGCCGCGAGAGAAGTCGCCTGCACTGCCTGAAAAGAAGGTGGCTGATCTGAGCACT
CTGAATGAAGTGGGCTATCAAATCCGAATTTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_001301056

Insert Size: 1068 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_001301056.1](#)

RefSeq Size: 4494 bp

RefSeq ORF: 1068 bp

Locus ID: 79805

UniProt ID: [Q86V25](#)

Cytogenetics: 1q32.3

MW: 40.4 kDa

Gene Summary: Tyrosine carboxypeptidase that removes the C-terminal tyrosine residue of alpha-tubulin, thereby regulating microtubule dynamics and function (PubMed:29146869). Acts as an activator of angiogenesis: expressed in infiltrating mononuclear cells in the sprouting front to promote angiogenesis (PubMed:19204325).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (4) contains two alternate in-frame exons, compared to variant 1. The encoded isoform (4) is longer than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.