

Product datasheet for **SC325716**

VASH2 (NM_001136474) Human Untagged Clone

Product data:

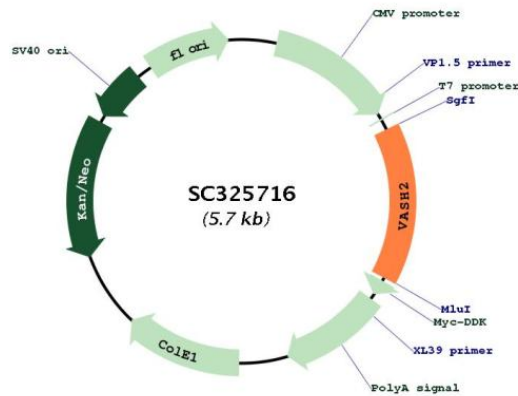
Product Type:	Expression Plasmids
Product Name:	VASH2 (NM_001136474) Human Untagged Clone
Tag:	Tag Free
Symbol:	VASH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325716 representing NM_001136474. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGATGCACGTGGCCAAGGTGCACCCTAAGGGGGGAGAAATGGTGGGCGCCATCAGGAACGCCGCC
TTCTTGGCAAAGCCTTCAATACCCAGGTCCCAAACACTACAGGCTGTGCATGACGATCCCAGACTGGCTC
CAGGCGATCCAGAATTACATGAAGACCCACAATAATCACACAGGGACCCAGTTCTTTGAAATTAGG
AAAATGAGACCGCTGAGTGGGTTAATGAAACAGCAAAGAAATGACCCGAGAGTCCTTGCCTATCAAA
TGCCTTGAAGCTGTCATCCTGGGCATCTACTTAACCAATGGGCAGCCTTCCATTGAGCGGTTCCCATC
AGCTTTAAAACCTACTTCTCAGAAAACCTTTACACAGTTGTGCTGGGGATTTACTGCAATGGCCGC
TATGGCTCATTGGGCATGAGCCGAGGGCTGAGCTGATGGACAAGCCATTGACTTTTCGGACTCTGAGT
GACCTCATCTTTGACTTTGAGGACTCTTACAAGAAATACCTGCACACAGTCAAGAAGGTCAAGATTGGG
CTGTACGTCCCCATGAGCCTCATAGCTTCCAGCCATTGAGTGGAAAGCAGCTGGTCTCAACGTCTCA
AAGATGCTGAGGGCTGACATAAGGAAGGAGCTGGAGAAATATGCCAGGGACATGAGAATGAAGATCCTG
AAACCTGCAAGTGCCCACTCTCCGACCCAAGTGAAGCCGGGGAAAATCCCTGTCCCCAGAAGGAGA
CAGGCAAGCCCCCGAGGAGGCTCGGCCGCGAGAGAAGTCGCCTGCACTGCCTGAAAAGAAGGTGGCT
GATCTGAGCACTCTGAATGAAGTGGCTATCAAATCCGAATTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001136474

Insert Size: 873 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001136474.2](#)

RefSeq Size: 4298 bp

RefSeq ORF: 873 bp

Locus ID: 79805

UniProt ID: [Q86V25](#)

Cytogenetics: 1q32.3

MW: 33.5 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 (2) contains multiple differences, compared to variant 1, including initiation of translation from a downstream in-frame start codon. The encoded isoform (2) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.