

Product datasheet for SC112035

VASH2 (NM_024749) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VASH2 (NM_024749) Human Untagged Clone
Tag:	Tag Free
Symbol:	VASH2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112035 sequence for NM_024749 edited (data generated by NextGen Sequencing)

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ATGACCGGCTCCGCGGCCGACACTCACCGCTGCCCCACCCCAAAGGCGCAAAGGCACC
CGGTCCC GGAGCAGCCACGCGCGGCCCGTGAGCCTCGCCACCAGCGGGGGCTCAGAGGAG
GAGGACAAAGACGGCGGGGTGCTGTTCCACGTCAACAAGAGCGGGTTCATCGACAGC
CACACCTGGGAGCGCATGTGGATGCACGTGGCCAAGGTGCACCCTAAGGGGGGAGAAATG
GTGGGCGCCATCAGGAACGCGCCTTCTTGCAAAGCCTTCAATACCCAGGTCCCAAAC
TACAGGCTGTGATGACGATCCCAGACTGGCTCCAGGCGATCCAGAATTACATGAAGACC
CTACACTACTTAACCAATGGGCAGCCTTCCATTGAGCGGTTCCCATCAGCTTTAAACC
TACTTCTCAGGAACTACTTTACCACGTTGTGCTGGGGATTTACTGCAATGGCCGCTAT
GGCTCATTGGGCATGAGCCGAGGGCTGAGCTGATGGACAAGCCATTGACTTTTCGGACT
CTGAGTGACCTCATCTTTGACTTTGAGGACTCTTACAAGAAATACCTGCACACAGTCAAG
AAGGTCAAGATTGGGCTGTACGTCCCCATGAGCCTCATAGCTTCCAGCCATTGAGTGG
AAGCAGCTGGTCTCAACGTCTCAAAGATGCTGAGGGCTGACATAAGGAAGGAGCTGGAG
AAATATGCCAGGGACATGAGAATGAAGATCCTGAAACCTGCAAGTGCCCACTCTCCGACC
CAAGTGAGAAGCCGGGGAAAATCCCTGTCCCCAGAAGGAGACAGGCAAGCCCCCGAGG
AGGCTCGCCGGCGAGAGAAGTCGCTGCACTGCCTGAAAAGAAGGTGGCTGATCTGAGC
ACTCTGAATGAAGTGGGCTATCAAATCCGAATTTAG

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Clone variation with respect to NM_024749.3



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024749 unedited
 AATTTGTAATACGACTACTATAGGGCGGCCGGAATTCGGCACGAGAAGAGGGCGACGGC
 CCCAGCAAGCCCCAGCAGCCCCAGCCCCAGCCCCAGGCCAGCAGCAGCAGCAGCCCC
 CTGCTCTCCCGCCCGCCGGAGAGGCTCTGCAGCCATGAAGCCAACCGTCCCGAGGCACCG
 CCGCTGCCCGCCGCGCGCCGCCAGTACCTCGCTCCCGCCAGGCCACCACATGACCG
 GCTCCGCGGCCGACACTACCGCTGCCCCACCCCAAAGGCGCCAAAGGCACCCGGTCCC
 GGAGCAGCCACGCGCGCCCGTGAAGCTCGCCACCAGCGGGGGCTCAGAGGAGGAGGACA
 AAGACGGCGGGGTGCTGTTCCACGTCAACAAGAGCGGCTTCCCCATCGACAGCCACACT
 GGGAGCGCATGTGGATGCACGTGGCCAAGGTGCACCCTAAGGGGGAGAAATGGTGGCG
 CCATCAGGAACGCCGCTTCTTGCAAAGCCTTCAATACCCAGGTCCCAAACACAGGC
 TGTCGATGACGATCCCAGACTGGCTCCAGGCGATCCAGAATTACATGAAGACCCTACAAT
 ATAATCACACAGGGACCCAGTCTTTGAAATTAGGAAAATGAGACCGCTGAGTGGTTAA
 TGGAAACAGCAAAAGAAATGACCCGAGAGTCTTGCCTATCAAATGCCTTGAAGCTGTCA
 TCCTGNGCATCTACTTAACCAATGGGCAGCCTTCCATTGAGCGGTTCCCATCAGCTNTA
 AAACCTACTTCTCAGGAACTACTTTACCACGTTGTGCTGGGGATNTACTGNCATGGCC
 GCTATGGCTCATTGNGCATGAGCCGAGNCTGAGCTGATGGACAGCCATNGACTTTNCG
 ACTCTGAGTGACTCATCTTGACTTTGAGACTCTACAGAAATACTGCACCAGTCAAGAAGT
 CAGAAATGGCTGTACGCCCCATGAGCTATAGCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024749 unedited
 TGTACCGCGCACGCAATCTAGTATCGAGTTTTTTGTTTTTTTTTTGTTTTTAAATTA
 TTGCACTAGAATTTAGGGGTTTGGTGCCTCTCCCGTATTTTTTTAGAAATTAGCATATT
 CCATAGGCAATAAAGTAGGATGACAACATAAGAACATTTTAAATGACTTTCAAGTTTGT
 GTGACTAAACCTTGCTTTGGGAAAATTAGTCTAAAAATCAAGGAGCGGGTGTGGGAGAAA
 TTATCTTAATAATTGAACCATCAAGCCAGTTGGCAGTTCTAAAGCTTCTTTATCAGCATA
 TTACAGAGTTTGTATTCTGTTCTTTTCTCCTTGTGTTGGGAAACAAGCTATGCAACCA
 TTTGACATTCTGTATTTAGATGTAACAGTACTTAATACTTGGCAAAAATAAATCCAAC
 TCTTAGAATGGTTGCAGTGTATAAGAGGTCTACTTATTAGATGTAAGCAAGTTTCAGAT
 TGACAAACAGAAGGTATATGGCTAAGTCAGTATTGTTTTAGAATGAAAATGAAATGATTC
 ACTATTTCAAACATCTGAATACATGTGGCCAAGAGGCTGCGAATGGGTTTGTGTGTGA
 GATAAACAGAGCTAACTCATTTTAACTCTGATAAATACTGTTCTTAAAGAGATTAACCTG
 ATAAATTTTAAACCTGTGCTACATTTTAACTAATGGAGATGTATACTTGGTCTTGNCTCA
 TCTAAAGGACATTTCGACCTCTTTAAGAAAACAGCACTTTTCATTAATAATACTGATCTT
 CAGGGGTGAAGTAAGCTCTTGTGCACCCTTTTGTCTTGAAGTCTTTTGCCTTCCCTGTC
 ACCCCAGAAATCTTGTAAGAATTTGTAAGAATCTCATGAGCTTTTTTTTTTTAAATCC
 CTTCTTAACCACCTTCTTCAAAAAGCCCGAGGAGAGCCCTGGGACCTGATAAACTTCG
 TTGACTACCAACTTACTGAAATGGGCCGTTGCTCT

Restriction Sites:

NotI-NotI

ACCN:

NM_024749

Insert Size:

3780 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_024749.2](#), [NP_079025.2](#)

RefSeq Size: 3580 bp

RefSeq ORF: 936 bp

Locus ID: 79805

UniProt ID: [Q86V25](#)

Cytogenetics: 1q32.3

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 (1) encodes 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.