

Product datasheet for **SC324331**

VASH1 (NM_014909) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VASH1 (NM_014909) Human Untagged Clone
Tag:	Tag Free
Symbol:	VASH1
Synonyms:	KIAA1036; TTCP 1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_014909.2
 GGCCTCCAAGGCTGACCCAGACAACCCACCCCTCGGACCCTAATTCACCTTATTGCAC
 TGATTTTTTTTATCAAGTCGTATTTTATTGTACAGGAGCCACGCCCTGATTTCTTAAAGG
 CGCCTTGCACTCTGGCCATGTGTATCTCTGCAGCCGGTGTGGGAGGCCTCTTGTGAG
 CCAGTTGTTTTCCCGCTCCACCACCCCTCGAAGATTTAGGGATGCCAGGGGGGAAGA
 AGGTGGTGGGGTGGCAGCAGCGGTGCCACTCCAACGTCCGCTGCGGCCACCGCCCT
 CTGGGGTCAGCGTTTTGGAGACCAGCGAAGGAACCTCAGCCAGAGAGATGAGGAGCCAG
 AAGAGGAAGGGGAAGAGACCTGCGAGACGGAGCGTCCCTTCTTTGTCAACCGGGTG
 GGCTACCTGTGGATGAGGCCACCTGGGAAAGGATGTGGAACACGTGGCCAAGATCCACC
 CCGATGGAGAGAAGTGGCGCAACGGATCCGTGGGGCCACAGACCTGCCAAGATCCCA
 TACCGAGTGTGCCTACGTTCCAGCCGTCTACACCTGTCCCTGAGCGCTGGAAGCTGTGC
 AGCGCTACATCAGAGAGCTGCAGTACAATCACACAGGGACACAGTTCTTTGAAATTAAGA
 AGAGCAGACCTCTGACAGGGCTGATGGACCTGGCAAGGAAATGACCAAAGAGGCCCTGC
 CAATCAAATGCCTGGAAGCCGTGATCCTGGGAATTTACCTCACCAACAGCATGCCACCC
 TGGAGCGCTTCCCATCAGCTTCAAGACCTACTTCTCAGGGAACACTTCCGCCACATCG
 TGCTGGGGTGAACCTTCGCGGGCCGCTACGGTGCCTGGGCATGAGTCGCGCGAGGACC
 TGATGTACAAGCCGCCCGCTTCCGCACGCTCAGCGAGCTCGTGTGGACTTCGAGGCCG
 CCTACGGCCGCTGCTGGCACGTGCTCAAGAAGGTGAAGCTGGGCCAGAGCGTGTACACG
 ACCCGCACAGCGTGGAGCAGATCGAGTGAAGCACTCGGTGCTGGACGTGGAGCGCTGG
 GCCCGATGACTTCCGCAAGGAGCTGGAGCGCCACGCCCGCGACATGCGGCTCAAGATTG
 GCAAAGGACGGGCCCTCCCTCTCCACCAAGGACCGGAAGAAGGATGTTTCTTCCCGC
 AGCGGGCCAGTCCAGCCCCACCGCAGGAACAGCCGAGTAAAAGACGGCCCTCGGGTG
 ACAAGAAGACTTCCGAGCCCAAAGCCATGCCAGACCTTAACGGGTACCAGATCCGGGTCT
 GAGGCGGATGCCAGCACCCAGGCCCACTTGGGGCCAGGATCCACCTGTGG
 AACAGCCTTATGCATGGGGAAGCGGGCTGGTGACAAGGCAGGGCAAGAGGCTGCAGG
 AAGAGTGTGTTCCAGCTCAGCCCCCAAGCTGCTCTCGCTCCCACTGAGCCAAGCCCT
 AACTTTGGCCTAGAGGCAA
 AA

- Restriction Sites:** Please inquire
- ACCN:** NM_014909
- 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:	<ol style="list-style-type: none">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:	<u>NM_014909.2, NP_055724.1</u>
RefSeq Size:	5747 bp
RefSeq ORF:	1098 bp
Locus ID:	22846
UniProt ID:	<u>Q7L8A9</u>
Cytogenetics:	14q24.3
Protein Families:	Secreted Protein
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 angiogenesis inhibitor: inhibits migration, proliferation and network formation by endothelial cells as well as angiogenesis (PubMed:15467828, PubMed:16488400, PubMed:16707096, PubMed:19204325). This inhibitory effect is selective to endothelial cells as it does not affect the migration of smooth muscle cells or fibroblasts (PubMed:15467828, PubMed:16488400, PubMed:16707096).[UniProtKB/Swiss-Prot Function]