

Product datasheet for SC114754

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:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114754 sequence for NM_014909 edited (data generated by NextGen Sequencing)

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ATGCCAGGGGGAAGAAGGTGGCTGGGGTGGCAGCAGCGGTGCCACTCCAACGTCCGCT
GCGGCCACCGCCCTCTGGGGTCAAGCGTTTGGAGACCAGCGAAGGAACCTCAGCCAG
AGAGATGAGGAGCCAGAAGAGGAAGGGGAGAGGACCTGCGAGACGGAGCGTCCCTTC
TTTGTCAACCGGGTGGCTACCTGTGGATGAGGCCACCTGGGAAAGGATGTGAAAAC
GTGGCCAAGATCCACCCGATGGAGAGAAGGTGGCGAACGGATCCGTGGGGCCACAGAC
CTGCCAAGATCCCATAACCGAGTGTGCCTACGTTCCAGCCGTCTACACCTGTCCCTGAG
CGCCTGGAAGCTGTGCAGCGCTATATCAGAGAGCTGCAGTACAATCACACAGGGACACAG
TTCTTTGAAATTAAGAAGAGCAGACCTCTGACAGGGCTGATGGACCTGGCCAAGGAAATG
ACCAAAGAGGCCCTGCCAATCAAATGCCTGGAAGCCGTGATCCTGGGAATTTACCTCACC
AACAGCATGCCACCCCTGGAGCGCTTCCCATCAGCTTCAAGACCTACTTCTCAGGGAAC
TACTTCCGCCACATCGTGCTGGGGTGAACCTCGCGGGCCGCTACGGTGCCTGGGCATG
AGTCGGCGCAGGACCTGATGTACAAGCCGCCCTTCCGCACGCTCAGCGAGCTCGTG
CTGGACTTCGAGGCCCTACGGCCGCTGCTGGCAGTGTCAAGAAGGTGAAGCTGGGC
CAGAGCGTGTACACGACCCGCACAGCGTGGAGCAGATCGAGTGGAAAGCACTCGGTGCTG
GACGTGGAGCGCCTGGGCCGATGACTCCGCAAGGAGCTGGAGCGCCACGCCCGCGAC
ATGCGGCTCAAGATTGGCAAAGGGACGGGCCCTCCCTCTCCACCAAGGACCGGAAGAAG
GATGTTTTCTCCCGCAGCGGGCCAGTCCAGCCCCACCGCAGGAACAGCCGAGTGAA
AGACGGCCCTCGGGTGACAAGAAGACTTCCGAGCCCAAAGCCATGCCAGACCTAACGGG
TACCAGATCCGGGTCTGA

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Clone variation with respect to NM_014909.4
384 c=>t



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014909 unedited GGTGGTGTNGGGGNNANNNNNNNNTTTCTTTANNGTTTTACACCCGCCCGTTGCCGCA AAGGGCGGTAGGCGTGTACGGTGGGNAGTCTATAAAGCAGAGCTCATTTAGGTGACACT ATAGAATAACAAGTACTTGTCTTTTTGCAGCGGCCGGAATTCGGCACGAGGCTCTTGT GAGCCAGTTGTTTTCCCGCTCCACCACCCCTCGAAGATTTAGGGATGCCAGGGGGGA AGAAGGTGGCTGGGGGTGGCAGCAGCGGTGCCACTCCAACGTCCGCTGCGGCCACCGCCC CCTCTGGGGTCAGGCGTTTGGAGACCAGCGAAGGAACCTCAGCCCAGAGAGATGAGGAGC CAGAAGAGGAAGGGGAAGAGGACCTGCGAGACGGAGCGTCCCCTTCTTTGTCAACCGGG GTGGGCTACCTGTGGATGAGGCCACCTGGGAAAGGATGTGAAACACGTGGCCAAGATCC ACCCCGATGGAGAGAAGGTGGCGCAACGGATCCGTGGGGCCACAGACCTGCCAAGATCC CCATACCGAGTGTGCCTACGTTCCAGCCGTCTACACCTGTCCCTGAGCGCCTGGAAGCTG TGCAGCGTATATCAGAGAGCTGCAGTACAATCACACAGGGACACAGTTCTTTGAAATTA AGAAGAGCAGACCTCTGACAGGGCTGATGGACCTGGCCAAGGAAATGACCAAAGAGGCC TGCCAATCAAATGCCTGGAAGCCGTGATCCTGGGGAATTTACCTACCAACAGCATGCC ACCTGGAGCGCTTCCCATCAGCTTCAAGACCTACTTCTCAGGGAACCTACTCCGCCAC ATCGGCCCTGGGGGGTGACCTTCGCGGGCCGCTACGGTGCCTGGGCATGTAGTCGCGCG AGGACCTGATGTACAAGCCGNCCTTTCGCACGCTCAGCGAGCTCGTCTGGACTTC
Restriction Sites:	NotI-NotI
ACCN:	NM_014909
Insert Size:	5500 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:	<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:	NM_014909.2 , NP_055724.1
RefSeq Size:	5747 bp
RefSeq ORF:	1098 bp
Locus ID:	22846
UniProt ID:	Q7L8A9
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]