

Product datasheet for MC213050

Vash1 (NM_177354) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vash1 (NM_177354) Mouse Untagged Clone
Tag: Tag Free
Symbol: Vash1
Synonyms: AI834978; D930046M13Rik; G630009D10Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC213050 representing NM_177354
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAGGGGAAAGAAGGTGGTCCCAAGTGGCAGCAGCAGTGCCTCCCCGAACGCAGCCGCCACCACCA
 CTGCTGCTGCTGCTGCTGCCGTGCTGCCCCCACTCTGGCACTAAACGTTTGGAGACCACCGAAGGGGC
 CTCAGCACAGAGAGATGAGGAACCCGAAGAGGAAGGGGAAGAGGACCTACGAGATGGAGGTGTCCCTTTT
 TTCATCAACCGAGGTGGACTGCCAGTGGATGAGGCCACCTGGGAAAGGATGTGGAAGCATGTGGCCAAGA
 TCCACCCAGATGGAGAGAAGGTGGCCCTGCGCATCCGTGGGGCCACCGACCTGCCAAGATTCCCATAACC
 AAGTGTGCCTACTTTCCAGCCGACGACGCCCGTCCCTGAGCGCCTGGAAGCCGTGCAGCGCTACATCAGG
 GAGCTGCAGTACAATCACACAGGGACACAATTCTTTGAAATTAAGAAGAGCAGACCTCTGACGGGGCTGA
 TGGACCTGGCCAAGGAAATGACCAAGAGGGCTCTGCCAATCAAATGCCTGGAAGCTGTGATCCTGGGAAT
 TTACCTCACCAACAGTATGCCACCCCTGGAACGCTTTCCCATCAGCTTCAAGACCTATTTCTCAGGGAAC
 TACTTCCGCCACATTGTGCTGGGGTGAAGTTCGGGGCCGCTATGGCCCTGGGTATGAGCCGAAGGG
 AGGACCTGATGTACAAACCGCCCGCTTCCGACGCTCAGTGCAGCTCGTGTGCTGAGCTACGAAGCGCCCTA
 CGGCCGCTGCTGGCAGCTGCTGAAGAAGGTGAAGCTGGGTGAGTGTGTGCCACGACCCGCACAGTGTG
 GAACAGATTGAATGGAAGCACTCGGTGCTGGATGTGGAGAGGCTGGGGCGGGAAGACTTCCGCAAGGAGC
 TGGAGCGTCATGCCCGAGACATGCGGCTCAAGATTGGCAAGGGGACAGGCCCTCCTTCTCCACCAAGGA
 CCGGAAGAAGGATGTTTCTCCACAGAGGGCCAGTCCAGCCCCATCGCAGGAACAGCCGAGTGTGAG
 AGACGGCCTTCAAGGGAGAAGAAGCCCGCAGAGCCCAAAGCCATGCCAGACCTCAGTGGGTACCAGATCC
 GGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_177354
Insert Size:	1128 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:	<u>NM_177354.4</u> , <u>NP_796328.2</u>
RefSeq Size:	6189 bp
RefSeq ORF:	1128 bp
Locus ID:	238328
UniProt ID:	<u>Q8C1W1</u>
Cytogenetics:	12 D2
Gene Summary:	Tyrosine carboxypeptidase that removes the C-terminal tyrosine residue of alpha-tubulin, thereby regulating microtubule dynamics and function (PubMed:29146868). Acts as an angiogenesis inhibitor: inhibits migration, proliferation and network formation by endothelial cells as well as angiogenesis (PubMed:19204325). This inhibitory effect is selective to endothelial cells as it does not affect the migration of smooth muscle cells or fibroblasts (By similarity).[UniProtKB/Swiss-Prot Function]