

## Product datasheet for **MC220694**

### Vav1 (NM\_001163816) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vav1 (NM_001163816) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vav1
Synonyms:	Vav; vav-T
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC220694 representing NM\_001163816  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGCTCTGGCGACAGTGCACCCACTGGCTGATCCAGTGTGGGTGCTGCCTCCAGCCACCGTGTGA  
 CCTGGGAGGGGGCCAGGTGTGTGAGCTGGCACAGGCACTGCGGGACGGTGTCTCTTGTGCCAATTGCT  
 TAACAACCTGTTCCCCAGGCCATTAATCTTCGCGAGGTTAACTTGGGGCCAGATGTCCAGTTCCTT  
 TGTCTTAAGAACATTCGAACCTTCTGTCTACTTGTGTGAGAAGTTCGGCCTCAAGCGCAGTGAACCT  
 TTGAGGCTTTTGACCTTTCGATGTGCAGGACTTTGAAAGGTCTACACCCCTGTCTGTCTGTGCATG  
 GACACCCATTGCCAGAACAAAGGAATCATGCCCTTCCAACAGAGGACAGCGCTCTGAACGACGAAGAT  
 ATTTACAGTGGCCTTTCAGACCAGATTGATGACACCGCAGAGGAAGACGAGGACCTTTATGACTGCGTGG  
 AAAATGAGGAGGCAGAGGGGACGAGATCTACGAGGACCTAATGCGCTTGGAGTCGGTGCCTACGCCACC  
 CAAGATGACAGAGTATGATAAGCGCTGCTGCTGCCTGCGGGAGATCCAGCAGACGGAGGAGAAGTATACA  
 GACACACTGGGCTCCATCCAGCAGCACTTCATGAAGCCTCTGCAGCGATTCTTAAGCCTCAAGACATGG  
 AGACCATCTTTGTCAACATTGAGGAGCTGTTCTCTGTGCATACCCACTTCTTAAAGGAACGAAGGATGC  
 CCTGGCTGGCCCGGGAGCAACAACACTGTATCAGGTCTTCATCAAGTACAAGGAGAGGTTCTGGTTTAT  
 GGCCGTTATTGCAGTCAGGTGGAGTCAGCCAGCAAGCACTTGGATCAAGTGGCCACAGCAGGGAGGATG  
 TGCAGATGAAGCTGGAGGAATGTTCTCAAAGAGCTAACAAATGGCCGATTACCCCTACGGGATCTGCTGAT  
 GGTACCTATGCAGCGGTGCTGAAGTACCACCTCTTCTCAGGAGCTAGTGAACACACACAGGATGCT  
 ACAGAGAAGGAGAACCTGCGGTTGGCCCTGGACCCATGAGGGACCTGGCACAGTGCCTGAACAGGTC  
 AGAGGGACAATGAAACCTACGGCAGATCACAACTTTCAGCTGTCCATTGAGAACCTGGACCACTCTCT  
 GGCTAACTATGGCCGGCCCAAGATTGACGGTGAGCTCAAGATTACCTCAGTGGAGCGTCGCTCAAAGACA  
 GACAGGTATGCCTTCTGCTGGACAAAGCACTGCTCATCTGTAACGCGCCGGGGACTCTTACGACCTCA  
 AAGCCTCGGTGAACCTGCACAGCTTCCAAGTTCGAGATGACTCCTCCGGGAGCGAGACAACAAGAAGTG  
 GAGCCATATGTTCTTCTGATTGAGGATCAAGGCGCCAGGGCTATGAGCTGTTCTTCAAGACTCGGGAG  
 CTGAAGAAGAAGTGGATGGAACAGTTCGAAATGGCCATCTCCAACATTTACCCAGAGAATGCTACAGCCA  
 ATGGGCATGATTTTCAGATGTTCTCTTTGAGGAGACCACTTCTGCAAGGCCTGCCAGATGTTACTCAG  
 AGGCACATTCTACCAGGGATATCGCTGTTACAGGTGCCGGCACCTGCACACAAGGAGTGTCTGGGAGA  
 GTGCCCTCCTGTGGTTCGATGCGCAAGATTTTCGAGGAACCATGAAGAAGGACAAGCTCCATCGAAGGG  
 CCCAGGACAAGAAAAGGAATGAATTGGGTCTGCCTAAGATGGAAGTGTTCAGGAATACTATGGGATCCC  
 TCTCCACCTGGAGCCTTTGGGCCATTTTACGGCTCAACCCTGGGGACATTGTGGAGCTCACTAAGGCA  
 GAGGCTGAGCACAACCTGGTGGGAGGGAAGGAATACTGCTACAAATGAAGTCGGCTGGTTTCCCTGTAACA  
 GAGTGCATCCCTATGTCCACGGCCCTCCTCAGGACCTGTCTGTGCATCTCTGGTATAACCTGGAGGTCAA  
 GCATATTAATCATGACGTGAGGGGTTGTACCGGATCACAGAGAAGAAGGCTTTCGGGGCCTTCTG  
 GAACTGGTAGAGTTTTATCAGCAGAATCCCTCAAAGATTGCTTCAAGTCGTTGGACACCACCTTGCAGT  
 TTCTTTAAGGAACCTGAGAGGAGAGCCATCAGCAAGCCACCAGCTGGAAGCACCAAGTATTTTGGCAC  
 TGCCAAAGCCCGCTACGACTTCTGTGCCGGGACAGGTCGGAACGTCCCTTAAGGAGGGTGATATCATC  
 AAGATCCTCAATAAGAAGGGACAGCAAGGCTGGTGGCGTGGGGAGATCTACGCCCGGATCGGCTGGTTCC  
 CTCTAACTATGTGGAGGAAGACTATTCGAATATTGCT**GTA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001163816  
**Insert Size:** 2421 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001163816.1</a></u> , <u><a href="#">NP_001157288.1</a></u>
<b>RefSeq Size:</b>	4051 bp
<b>RefSeq ORF:</b>	2421 bp
<b>Locus ID:</b>	22324
<b>Cytogenetics:</b>	17 29.76 cM
<b>Gene Summary:</b>	<p>Couples tyrosine kinase signals with the activation of the Rho/Rac GTPases, thus leading to cell differentiation and/or proliferation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (3) that is shorter than isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>