

Product datasheet for **MC221867**

Vav1 (NM_001163815) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vav1 (NM_001163815) 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: >MC221867 representing NM_001163815
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTCTGGCGACAGTGCACCCACTGGCTGATCCAGTGTGGGTGCTGCCTCCAGCCACCGTGTGA
 CCTGGGAGGGGGCCAGGCCATTAATCTTCGCGAGGTTAACTTGGGCCCCAGATGTCCAGTTCCTTTG
 TCTTAAGAACATTGAACTTCTGTCTACTTGTGTGAGAAGTTCGGCCTCAAGCGCAGTGAACCTTT
 GAGGCTTTTACCTCTTCGATGTGCAGGACTTTGGAAAGGTCATCTACACCCTGTCTGCTGTGCATGGA
 CACCCATTGCCAGAACAAGGAATCATGCCCTTCCCAACAGAGGACAGCGCTCTGAACGACGAAGATAT
 TTACAGTGGCCTTTCAGACCAGATTGATGACACCCGAGAGGAAGACGAGGACCTTTATGACTGCGTGAA
 AATGAGGAGGCAGAGGGGACGAGATCTACGAGGACCTAATGCGCTTGGAGTCGGTGCCTACGCCACCCA
 AGATGACAGAGTATGATAAGCGCTGCTGCTGCCTGCGGGAGATCCAGCAGACGGAGGAGAAGTATACAGA
 CACTGGGCTCCATCCAGCAGCACTTCAAGCCTCTGCAGCGATTCTTAAGCCTCAAGACATGGAG
 ACCATCTTTGTAACATTGAGGAGCTGTCTCTGTGCATACCCACTTCTTAAGGAACTGAAGGATGCC
 TGCTGGCCCGGAGCAACAACACTGTATCAGGTCTTCAAGTACAAGGAGAGGTTTCTGGTTTATGG
 CCGTTATTGACGTGAGTGGAGTCAGCCAGCAAGCACTTGGATCAAGTGGCCACAGCAGGGGAGGATGTG
 CAGATGAAGCTGGAGGAATGTTCTCAAAGAGCTAACAATGGCCGATTACCCCTACGGGATCTGCTGATGG
 TACCTATGCAGCGGGTGTGAAGTACCCTCTTCTCCAGGAGCTAGTAAACACACACAGGATGCTAC
 AGAGAAGGAGAACCTGCGGTTGGCCCTGGACGCCATGAGGGACCTGGCACAGTGGTGAACGAGGTCAAG
 AGGGACAATGAAACCTACGGCAGATCACAACTTTCAGCTGTCCATTGAGAACCCTGGACCAGTCTGTG
 CTAACTATGGCCCGCCAAAGATTGACGGTGAAGTCAAGATTACCTCAGTGGAGCGCTGCTCAAAGACAG
 CAGGTATGCCTTCTGCTGGACAAAGCACTGCTCATCTGTAACGCCCGGGGACTCTTACGACCTCAAA
 GCCTCGGTGAACCTGCACAGTTCAAAGTTCGAGATGACTCCTCCGGGGAGCGAGACAACAAGAAGTGA
 GCCATATGTTCTCTGATTGAGGATCAAGGCGCCAGGGCTATGAGCTGTTCTTCAAGACTCGGGAGCT
 GAAGAAGAAGTGGATGGAACAGTTCGAAATGGCCATCTCCAACATTTACCCAGAGAATGCTACAGCCAAT
 GGGCATGATTTTTCAGATGTTCTCTTTGAGGAGACCCTTCTGCAAGGCCTGCCAGATGTTACTCAGAG
 GCACATTTCTACCAGGGATATCGTGTACAGGTGCCGGGCACCTGCACACAAGGAGTGTCTGGGAGAGT
 GCCTCCCTGTGGTCGCCATGGGCAAGATTTGCGAGGAACCATGAAGAAGGACAAGCTCCATCGAAGGGCC
 CAGGACAAGAAAAGGAATGAATGGGTCTGCCTAAGATGGAAGTGTTCAGGAATACTATGGGATCCCTC
 CTCACCTGGAGCCTTTGGGCCATTTTTACGGCTCAACCTGGGGACATTGTGGAGCTCACTAAGGCAGA
 GGCTGAGCACAACCTGGTGGGAGGGAAGGAATACTGCTACAAATGAAGTCGGCTGGTTTCCCTGTAACAGA
 GTGCATCCCTATGTCCACGGCCCTCCTCAGGACCTGTCTGTGCATCTCTGGTATGCGGGCCCTATGGAAC
 GAGCAGGCGCTGAGGGCATCCTCACCAACCGTTCTGATGGGACCTATCTGGTGGCGCAGAGGGTGAAGA
 TACAGCGGAGTTCGCCATCAGCATTAAAGTATAACGTGGAGGTCAAGCATATTAATCATGACGTCAGAG
 GGGTTGTACCGGATCACAGAGAAGAAGGCTTTCCGGGGCCTTCTGGAACGGTAGAGTTTATCAGCAGA
 ATCCCTCAAAGATTGCTTCAAGTCGTTGGACACCACCTTGCAGTTTCTTATAAGGAACCTGAGAGGAG
 AGCCATCAGCAAGCCACCAGCTGGAAGCACCAAGTATTTTGGCACTGCCAAAGCCCGCTACGACTTCTGT
 GCCCGGGACAGGTCGGAACGTCCCTTAAGGAGGGTATCATCAAGATCCTCAATAAGAAGGGACAGC
 AAGGCTGGTGGCTGGGAGATCTACGGCCGATCGGCTGGTTCCCTTAACTATGTGGAGGAAGACTA
 TTCCGAATATTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001163815
Insert Size: 2466 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_001163815.1</u> , <u>NP_001157287.1</u>
RefSeq Size:	4096 bp
RefSeq ORF:	2466 bp
Locus ID:	22324
Cytogenetics:	17 29.76 cM
Gene Summary:	<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 (2) lacks an in-frame segment of the 5' coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1. 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>