

## Product datasheet for **RN212778**

### Vav1 (NM\_012759) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vav1 (NM_012759) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Vav1
Synonyms:	Vav
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN212778 representing NM\_012759  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCTCTGGCGACAGTGCACCCACTGGCTGATCCAGTGTGGGTGCTGCCTCCAGCCACCGTGTGA  
 CCTGGGAGGGGGCCAGGTGTGTGAGCTGGCACAGGCAGTGCGGATGGTGTCTCTGTGTCAACTGCT  
 TAACAACCTGCTCCCCACGCCATCAATCTGCGGGAAGTTAACTTGTGGCCCCAGATGTCCAGTTCCTT  
 TGTCTTAAGAACATCCGAACCTTCTGTCTACTTGTGTGAGAAATTCGGCCTCAAGCGCAGCGAACTCT  
 TTGAGGCTTTTGACCTCTTTGATGTGCAGGACTTTGAAAAGGTACCTACACCCTGTCTGCCCTGCATG  
 GACACCCATTGCCAGAACAAAGGGATCATGCCCTTCCAACAGAGGACAGCGCCTGGGTGATGAAGAT  
 ATTTACAGTGGCCTTTCAGACCAGATTGATGACACCGCAGAGGAAGATGAGGACCTTTATGACTGCGTGG  
 AGAATGAGGAGGCAGAGGGGACGAGATCTACGAGGACCTAATGCGCTCGGAGTCGGTCCACACCTCC  
 CAAGATGACAGAGTACGATAAGCGCTGCTGCTGCCTGCGGGAGATCCAGCAGACTGAGGAGAAGTACACA  
 GACACACTGGGCTCCATCCAGCAGCACTTCATGAAGCCCTCCAGCGATTCTCAAGCCTCAAGACATGG  
 AGACCATCTTTGTCAACATTGAGGAGTCTCTCTGTGCACCCACTTCTTAAAGGAACGAAGGATGC  
 CCTGTCTGGCCCGGAGCAACGATGCTGTATCAGGTCTTCATCAAGTATAAGGAGAGGTTCTTGTTTAT  
 GGCCGTTATTGCAGTCAGGTGGAGTCAGCCAGCAAGCACTTGGATCAAGTGGCCACAGCAGGGAGGATG  
 TGCAGATGAAGCTGGAGGAATGCTCTCAAAGAGCCAACAATGGCCGCTTACCCTGCGGGATCTGCTGAT  
 GGTGCCTATGCAGCGGTGCTGAAGTATCACCTCCTCCTCCAGGAGCTAGTGAACACACACAGGATACT  
 ACAGAAAAGGAGAACCTGCGGTTGGCCCTGGACGCCATGAGGGACCTGGCGCAGTGTGTGAATGAGTCA  
 AGAGGGACAATGAAACCTTACGGCAGATCACAACTTTCAGCTGTCCATTGAGAACCTGGACCAGTCTCT  
 GGCCAACATAGGCCGCGCTAAGATTGACGGTGAGCTCAAGATTACCTCAGTGAACGCGCTCCAAGACA  
 GACAGGTATGCCTTCTGCTGGACAAAGCACTGCTCATCTGTAAGCGCCGCGGGACTCTTATGACCTCA  
 AGGCCTCAGTGAACCTGCACAGCTTCCAAGTTCGGGATGACTCTTCCGGGAGCGGGACAACAAGAAGTG  
 GAGCCACATGTTCTTCTGATTGAGGATCAAGGTGCCAGGGGTATGAGCTGTTCTTCAAGACTCGGGAG  
 CTAAGAAAAGAAGTGGATGGAACAGTTTGAATGGCCATCTCCAACATCTACCCAGAAAATGCTACAGCCA  
 ATGGACATGATTTTCAGATGTTCTCCTTTGAGGAGACCACTTCTGCAAGGCCTGCCAGATGTTACTCAG  
 GGGCACATTCTACCAGGGATATCGTGTACAGGTGCCGTGACCCGCACACAAGGAGTGTCTGGGAAGG  
 GTCCCTCATGTGCCGTCAAGATTTCTCAGGAACCATGAAGAAGGACAAGCTACATCGAAGGGCCAGG  
 ACAAGAAAAGGAATGAATTGGGCCTTCTAAGATGGAGGTGTGTCAGGAATACTACGGGATCCCTCCTCC  
 TCCCGGAGCCTTTGGCCATTTCTGCGGCTCAACCCTGGGGACATTGTGGAACCTACTAAGCAGAGGCT  
 GAACACAACCTGGTGGGAGGGAAGAAAATACAGCTACGAATGAAGTCGGCTGGTTTCCCTGTAAACAGAGTTC  
 GTCCCTACGTCCACGGCCCTCCCAGGACCTGTCTGTGCACCTCTGGTATGCGGGCCCCATGGAGCGAGC  
 AGGCGCCGAGGGCATCCTACCAACCGCTCTGATGGGACCTACCTGGTGGCGCAAAGGGTGAAGATACA  
 GCGGAATTCGCCATCAGCATTAAGTATAATGTGGAGGTCAAGCATATTAATATCATGACGTCAGAGGGGT  
 TGTACCGCATCACAGAGAAGAAGGCTTTCCGGGCTCCCGGAACCTGGTAGAGTTTTATCAGCAGAATTC  
 CCTAAAAGATTGCTTCAAGTCGTTGGACACACCTTGCAGTTTCTTACAAGGAACCTGAGAGGAGAGCC  
 ATCAACAAGCCGCGGTTGGAAGCACCAAGTATTTTGGCACTGCCAAAGCCGCTACGACTTCTGTGCC  
 GGGACCGATCGGAACGTCCCTTAAAGGAGGTGACATCATCAAGATCCTCAACAAGAAGGGACAGCAAGG  
 CTGGTGGCGTGGGAGATCTATGGCCGATTGGCTGGTTTCCCTTAACTATGTGGAGGAAGACTATTCT  
 GAATACTGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_012759  
**Insert Size:** 2532 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>	<a href="#">NM_012759.2</a> , <a href="#">NP_036891.2</a>
<b>RefSeq Size:</b>	2917 bp
<b>RefSeq ORF:</b>	2532 bp
<b>Locus ID:</b>	25156
<b>Cytogenetics:</b>	9q12
<b>Gene Summary:</b>	guanine nucleotide exchange factor (GEF) from the Rho family of GTP binding proteins; plays a role in T-cell and B-cell development; can activate the c-Jun N-terminal kinase-1 (JNK1) pathway [RGD, Feb 2006]