

## Product datasheet for **MC220695**

### Vav2 (BC053060) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vav2 (BC053060) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vav2
Synonyms:	2810040F13Rik; AI847175; Vav-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >BC053060  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCAGTGGCGGCAATGCGGCCGTGGCTCATCGACTGCAAGTCTGCCGCCAACACCAGCGTCCG  
 TGTGGCCCTCGGCGGTGGTCTTCGACCTGGCGCAGGCGCTGCGCGACGGGTCTTCTGTGCCAGCTGCT  
 GCACAACCTCTCCCCGGTTCCATCGACCTTAAGGACATCAACTTCCGGCCGAGATGTCCAGGTCATC  
 TCTGCAGTGTCCCGTCTGTCCCTGCACAGCATCGCACAGAGCAAAGGGATCAGGCCATTTCCATCAGAGG  
 AGACAGCTGAAAATGATGACGACGTCTACCGAGCCTGGAAGAGCTGGCTGACGAGCATGACCTGGTGA  
 GGACATCTACGACTGTGTCCCGTGTGAAGATGAAGGAGATGACATTTATGAGGACATCATCAAGTGGAG  
 GTGCAGCAGCCCATGATCAGATACATGCAGAAAATGGGCATGACTGAGGACGACAAGAGAAGCTGCTGCT  
 TGTTAGAGATTCAGGAGACCGAGGCCAAGTACTACCGCACCTGGAGGACATTGAGAAGAACTACATGGG  
 TCCCTTGGCGTGGTGTGAGCCCGCGGATATGGCTGCTGTCTTCATCAACCTGGAGGACCTCATCAAG  
 GTGCATCACAGCTTTCTGCGAGCCATCGATGTGTCCATGATGGCTGGTGGCAGTACCCTGGCTAAGGTCT  
 TTCTGGAGTTAAGGAAAGGCTCCTGATCTATGGAGAGTACTGTAGCCACATGGAACACGCTCAGAGTAC  
 ACTGAACCAGCTCCTCGCCAGCCGAGAGGACTTCAGGCAGAAAAGTGGAGGAGTGCACACTCAGGGTTCAG  
 GATGGCAAGTTCAAGCTGCAAGACCTGCTGGTGGTGCCATGCAACGGGTGCTGAAGTACCACCTGCTGC  
 TCAAGGAGCTCCTGAGCCATTCTGCAGACCGACCAGAAAAGACAACAGCTCAAAGAAGCCCTGGAAGCCAT  
 GCAGGACTTGGCCATGTACATCAATGAAGTGAAGCGGGACAAGGAGACCTTGAAGAAGATTAGCGAGTTC  
 CAGTGTCCATAGAAAACCTGCAAGTGAAGCTGGAGGAATTTGGGAGGCCAAAGATTGACGGGGAGCTTA  
 AAGTCCGGTCCATAGTCAACCACCAAGCAAGCAGGTACCTGTTCTATTTGACAAGTGGTCAATCGT  
 GTGCAAGAGGAAGGGCTACAGCTATGAGCTGAAGGAGGTCAATTGAGCTGCTCTCCACAAGATGACCGAT  
 GACCCGATGCACAACAAGGACATCAAGAAGTCTCATGGGAAGATGTGGTCTATGGCTTCTACCTGATTC  
 ACCTCCAAGGAAAGCAAGGCTTTTCAAGTCTTCTGCAAGACGGAAGACATGAAGCGGAAGTGGATGGAGCA  
 GTTCGAGATGGCCATGTCAAACATCAAGCCAGATAAGGCCAATGCCAACCATCATAGCTTCCAGATGTAC  
 ACATTCGACAAGACTACCAACTGCAAAGCCTGCAAGATGTTTCTCAGGGGTACCTTCTACCAGGGATACC  
 TGTGTACCAGATGTGGCTCGGGGCACACAAGGAATGCCTGGAGGTGATCCCCCCTGCAAGATGAGTTC  
 ACCTGCAGATGTGGATGCTCCTGGAGCAGGACCAGGTCCCAAGATGGTTGCTGTGCAGAATTACCATGGT  
 AACCCAGCCCCTCCTGGGAAGCCTGTGTGACCTTCCAGACAGGAGACGTGATAGAAGTCTCCGGGGTG  
 ACCCCGATTTCTCCTTGGTGGGAAGGGCGGCTGGTTCAAACCAGGAAGTCAAGGATTTTTCCAGCTCATC  
 TGTGAAGCCCTGCCAGTGGATGGAAGGCCCTACTGGCCGCCACCATCCCCGGGAGATCGATTACACT  
 GCCTACCCGTGGTTTGTGGCAACATGGAACGGCAGCAGACGGACAATCTGCTCAAGTCTCATGCCAGTG  
 GGACCTACCTCATCAGAGAGCGTCCAGCAGAGGCGAGAAGCCTTCCCATCAGCATCAAGTTCAATGATGA  
 GGTGAAACATATCAAGGTGGTGGAGAAAGATAGCTGGATCCACATCACGGAAGCTAAGAAGTTTGGAGC  
 CTCCTGAGCATTTTTCAGCAATATTTGGGAGCCCTGCGCCTGAGGGAGAGGTTTTTGGGCACTGGCCA  
 TCCTAGCTGGCTTGGCTGGAGAGCTGGTGGAGTACTACCAAGTGTCACTCACTCAAGGAAAGCTTCAAGC  
 AGTTGGCACTACACTCAAGTTCCCTACAAGTCTCGGGAGCGAACACCAGAGGGCCTCAAGCCGGT  
 TCCAGCTTCTGCGCTTCTACAACCTTTCTTTTCTCAGTCCACAGGGCCTCAGCTTTGCCCCAGGCC  
 CCTTCTGCTCCCTTCTGGTCAAGTGTTCACACCGGGTCACTCGGCACAGCCGTGGCCAGGTACAACCTTG  
 CTGCTCGAGACATGCGGGAGCTGTCACTGCGAGAAGGTGA

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** BC053060  
**Insert Size:** 2490 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="#">BC053060</a> , <a href="#">AAH53060</a>
<b>RefSeq Size:</b>	5113 bp
<b>RefSeq ORF:</b>	2489 bp
<b>Locus ID:</b>	22325
<b>Cytogenetics:</b>	2 19.36 cM
<b>Gene Summary:</b>	This gene encodes a member of the Vav family of Rho guanine nucleotide exchange factors. Vav family proteins are involved in the development and activation of lymphocytes, and the encoded protein may also be involved in angiogenesis. Disruption of this gene in mice is associated with heart, artery, and kidney defects, as well as tachycardia and hypertension. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]