

## Product datasheet for **SC112869**

### SAV1 (NM\_021818) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SAV1 (NM_021818) Human Untagged Clone
Tag:	Tag Free
Symbol:	SAV1
Synonyms:	SAV; WW45; WWP4
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_021818 edited
GAATTCGGCACGAGGGCCGGCGCCCGGCGGAGCCCTAGGGAGGCAGTTCAGCGCGGCC
TCGGGCCCTCGTCGAGAAGGATGCTGTCCCGAAAGAAAACCAAAACGAAGTGTCCAAGCC
GGCCGAGGTGCAGGGGAAGTACGTGAAGAAGGAGACGTCGCTCTGCTTCGGAATCTTAT
GCCTTCATTATCCGGCATGGTCCAACAATTCCAAGACGAACTGATATCTGTCTCCAGA
TTCAAGCCCTAATGCCTTTTCAACTTCTGGAGATGTAGTTTCAAGAAAACAGAGTTTCTC
TAGAACTCCAATTCAAAGAACCTCATGAAATAATGAGAAGAGAAAGCAACAGATTATC
TGCACCTTCTTATCTTGCCAGAAGTCTAGCAGATGTCCCTAGAGAGTATGGTTCTTCTCA
GTCATTTGTAACGGAAGTTAGTTTTGCTGTTGAAAATGGAGACTCTGGTTCCCGATATTA
TTATTCAGACAATTTTTTTGATGGTCAGAGAAAGCGGCCACTTGGAGATCGTGCACATGA
AGACTACAGATATTATGAATACAACCATGATCTCTTCCAAAGAATGCCACAGAATCAGGG
GAGGCATGCTTCAGGTATTGGGAGAGTTGCTGCTACATCTTTAGGAAATTTGACTAACCA
TGGTTCTGAAGATTTACCCCTTCTCTGGCTGGTCTGTGGACTGGACAATGAGAGGGAG
AAAATATTATATAGATCATAACACAAAACAACACTACTGGAGCCATCCTCTTGAGCGAGA
AGGACTTCTCTGGATGGGAACGAGTTGAGTCATCCGAATTTGGAACCTATTATGTAGA
TCACACAAATAAGAAGGCCCAATACAGGCATCCCTGTGCTCCTAGTGTACCTCGGTATGA
TCAACCACCTCCTGTACATACCAGCCACAGCAAACCTGAAAGAAATCAGTCCCTTCTGGT
ACCTGCAATCCATATCATACTGCAGAAATTCCTGACTGGCTTCAGGTTTACGCACGAGC
CCCTGTGAAATATGACCACATTCGAAGTGGGAACTCTCCAGCTGGCTGACCTGGATAC
ATACCAGGGAATGCTAAAGTTGCTTTCATGAAAGAATGGAGCAGATTGTTAAAATGTA
TGAAGCATACAGACAAGCCCTTCTTACAGAGTTGGAAAACCGAAAGCAGAGACAGCAGTG
GTATGCCCAACAACATGGAAAAAATTTTGGAGCTGATTTTTTAAAAATTTAAGTTTTGTA
AGAGCTTTAAAAATTTTTACAGATAAAAAATTTGCAACAAGTACTCTGGTTAATAAATG
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CCCCTCTCAAAGTAAGGAACCCAGCTGGGCGTGGTGGCTCACTCCTGTAATCCCAGCAT
TTTGGGAGGCCGAGGTGGGTGGACCGCTTGAGTCCACGAGTTTAAAGACCAGCCTGGGCA
CATGGTGAAGCCCATCTCTACAAAAAATACAAAAAATAGCCGGGTATGATGGTGTGT
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GAGGTTGACAGGTCAAGATCGCACCACTTGCACTGCAGCCTGAGAGAGAGAGAGCCAGAC
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ATCATCTTCTTATTTTACGCCAGTGTACTGCTTACTGCATTTAGCATGGCTCTGACGAGGCA
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AATGACAACCAGGGATTCAAAAAAATTTTTGGTCATTAAATCGAATGTATATTATTA
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TCAACATTTTGAAGTAGTTCTTCAAGTATATTTACATGTGTTGTAATATGTAATAT
ACTTTTAGCTTAGGAAGTCTTCCAGAATACAACTACTCCAGTTAGATATCAGTGAGTT
TGAAATACTGAAGAAATGTTGACAATGTTAAGTGTGATTTTATATAACAGCTTATTA
AATATATTTTTTGGAAACTAAAAAACAACAAAAAATAAAAAAATAAAAAAATAAAAAA
  
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_021818 unedited  
 ACGACTACTATAGGGCGGCCGGAATTCGGCACGAGGGCCGGCGCCGGCGCGGAGCCC  
 TAGGGAGGCAGTTCAGCGCGGCCCTCGGGCCTCGTCGAGAAGGATGCTGTCCCGAAAGAAA  
 ACCAAAAACGAAGTGTCCAAGCCGGCCGAGGTGCAGGGGAAGTACGTGAAGAAGGAGACG  
 TCGCCTCTGCTTCGGAATCTTATGCCTTCATTCATCCGGCATGGTCCAACAATCCAAGA  
 CGAACTGATCTCTGTCTCCAGATTCAAGCCCTAATGCCCTTTCAACTTCTGGAGATGTA  
 GTTTCAAGAAAACAGAGTTTCCCTTAGAACTCCAATTCAAAGAACACCTCATGAAATAATG  
 AGAAGAGAAAAGCAACAGATTATCTGCACCTTCTTATCTTGCCAGAAGTCTAGCAGATGTC  
 CCTAGAGAGTATGGTTCTTCTCAGTCATTTGTAACGGAAGTTAGTTTTGCTGTTGAAAAAT  
 GGAGACTCTGGTCCCGATATTATTATTAGACAATTTTTTTGATGGTCAGAGAAAAGCGG  
 CCCTTGGAGATCGTGCACATGAAGACTACAGATATTATGAATACAACCATGATCTCTTC  
 CAAAGAATGCCACAGAATCAGGGGAGGCATGCTTCAGGTATTGGGAGAGTTGCTGCTACA  
 TCTTTAGAAAATTTGACTAACCATGGGTCTGAAGATTTACCCCTTCTCCTGGCTGGTCT  
 GTGGACTGGACATGAGAGGGAGAAAATATATAGATCATACANATAACCACTACTGGA  
 GCCATCCTCTTGAGCGAAAANGACCTTCTNCTGGATGGGAACGAGNTGAGTCATTGGAAT  
 TTGGACCTATATTGTAGATCACACAATAAGAGGNCCATACAGGCATCCCTGTGCTCTAGT  
 GTACTCGGATGATCACCACCTCTGTACATACCAGCACAGAAGTGAAGAAAATAGTCCCTTT  
 TGTAAGCAATCTATAACTGAG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_021818 unedited  
 CCGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGGTTTTTTTTTAGTTTCCA  
 CAAAAATATATTAATAAGCTTGTATATAAAATCAAACACTTAACATTGTCAACATTTTC  
 TCAGTTATTCAACTCACTGATATCTAACTGGGAGTAGTTTGTATTCTGGAAGACTTCC  
 TAAGCTAAAAGTATATTTACATATTTACAACACATGTAATATAACTGAAGAACTACTTC  
 AAATAATGTTGAAATTCACAGAATTCTAGAGATTTATAGTTATAGTTTAGAAGTATCACC  
 CATTTTGTGGCATCAAATGTTAGCCCTAATTTTTGAAAAAGGTTTAACTTTAAACC  
 CAAGGGGGGAAAAAATGGGGGGGAAAAATTTGGGGGGAAAAACCCCGGGAAAAACCTCC  
 AAAAAAAAAAAGGGTTTTTCCCCCCCCGAGAAAAACCCAAAAATTTTTTTTTTAA  
 ACCCCCCGGGGTTTTTTTTGGGGACCCCAACCCCAAGAGAAGGGTTTTTTTTGTT  
 TGGAAAAACACCCCTTCCCAAAAAACCTTTTTTTTTAAACACCCCTTTTTTTAA  
 AAAAAAAAAANNTTTTTTTTTTTNCCCCCCCCCCCCCAAAAAAATAATTTTTTT  
 TTTTTTTTTGAAAAAAGGGCCCCCCCCCCCCCAAAAAAANNGTGT  
 NNGGGAGGGGGGGGGGNNATTTNTCTTTTTTTTTTTTTAAAAAAGGGCG  
 CCCCCNCCCTTCCCCCGGGGGGGGGGGGGGACCCCCCCCCCA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_021818

**Insert Size:**

2800 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:**

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:** [NM\\_021818.2](#), [NP\\_068590.1](#)

**RefSeq Size:** 3031 bp

**RefSeq ORF:** 1152 bp

**Locus ID:** 60485

**UniProt ID:** [Q9H4B6](#)

**Cytogenetics:** 14q22.1

**Domains:** WW

**Gene Summary:** WW domain-containing proteins are found in all eukaryotes and play an important role in the regulation of a wide variety of cellular functions such as protein degradation, transcription, and RNA splicing. This gene encodes a protein with two WW domains, a SARAH domain, and a coiled-coil region and is ubiquitously expressed in adult tissues. This protein binds to MST1 (mammalian sterile 20-like kinase 1) and promotes MST1-induced apoptosis. It has also been shown to bind to HAX1 (hematopoietic cell-specific protein 1 (HS1)-associated protein X-1) and to attenuate the anti-apoptotic effects of HAX1. Studies in human and mouse suggest this gene acts as a tumor suppressor. [provided by RefSeq, Aug 2012]