

Product datasheet for **RG204389**

SAV1 (NM_021818) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SAV1 (NM_021818) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SAV1
Synonyms:	SAV; WW45; WWP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204389 representing NM_021818 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGTCCCAGAAAGAAAACAAAAACGAAGTGTCCAAGCCGGCCGAGGTGCAGGGGAAGTACGTGAAGA
AGGAGACGTGCGCTCTGCTTCGGAATCTTATGCCTTCATTCATCCGGCATGGTCCAACAATTCGAAGACG
AACTGATATCTGTCTCCAGATTCAGCCCTAATGCCTTTCACTTCTGGAGATGTAGTTTCAAGAAAC
CAGAGTTTCTTAGAACTCCAATCAAAGAACACCTCATGAAATAATGAGAAGAGAAAGCAACAGATTAT
CTGCACCTTCTTATCTTGCCAGAAGTCTAGCAGATGTCCTTAGAGAGTATGGTTCTTCTCAGTCATTTGT
AACGGAAGTTAGTTTTGCTGTTGAAAATGGAGACTCTGGTTCCCGATATTATTATCAGACAATTTTTTT
GATGGTCAGAGAAAGCGGCCACTTGGAGATCGTGACATGAAGACTACAGATATTATGAATACAACCATG
ATCTCTTCCAAAGAAATGCCACAGAATCAGGGGAGGCATGCTTCAGGTATTGGGAGAGTTGCTGCTACATC
TTAGGAAATTTGACTAACCATGGTTCTGAAGATTTACCCCTTCTCCTGGCTGGTCTGTGGACTGGACA
ATGAGAGGGAGAAAAATATATAGATCATAACACAAATACAACCTCACTGGAGCCATCCTCTTGAGCGAG
AAGGACTTCTCCTGGATGGGAACGAGTTGAGTCATCCGAATTTGGAACCTATTATGTAGATCACACAAA
TAAGAAGGCCAATACAGGCATCCCTGTGCTCCTAGTGTACCTCGGTATGATCAACCACCTCCTGTCACA
TACCAGCCACAGCAAACGAAAGAAATCAGTCCCTTCTGGTACCTGCAAATCCATATCATACTGCAGAAA
TTCTGACTGGCTTCAGGTTTACGCACGAGCCCTGTGAAATATGACCACATTCTGAAGTGGGAACCTCTT
CCAGCTGGCTGACCTGGATACATACCAGGGAATGCTAAAGTTGCTCTTATGAAAGAATTTGGAGCAGATT
GTTAAATGTATGAAGCATAAGCAAGCCCTTCTACAGAGTTGGAAAACCGAAAGCAGAGACAGCAGT
GGTATGCCCAACAACATGGAAAAATTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204389 representing NM_021818
 Red=Cloning site Green=Tags(s)

MLSRKKTNEVSKPAEVQGGKVKKETSPLLRLMPSFIRHGPTIPRRTDICTLDPDSSPNAFSTSGDVVSRN
 QSFRLRTPIQRTPEIMRRESNRLSAPSYLARSLADVPREYGSSQSFVTEVSFAVENGDSGSRYYYSDNFF
 DGQRKRPLGDRAHEDYRYEYNHDLFQRMPQNQRGRHSGIGRVAATSLGNLTNHGSEDLPLPPGWSVDWT
 MRGRKYYIDHNTNTTTHWSHPLEREGLPPGWVERVESSEFGTYYYVDHTNKKAYRHPCAPSVPRYDQPPVVT
 YQPQQTERNQSLLVANPYHTAEIPDWLQVYARAPVKYDHIKWLFLQLADLDTYQGMLKLLFMKELEQI
 VKMYEAYRQALLTELENRQRQQWYAQQHGKNF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021818

ORF Size: 1149 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_021818.4](#)

RefSeq Size: 3031 bp

RefSeq ORF: 1152 bp

Locus ID: 60485

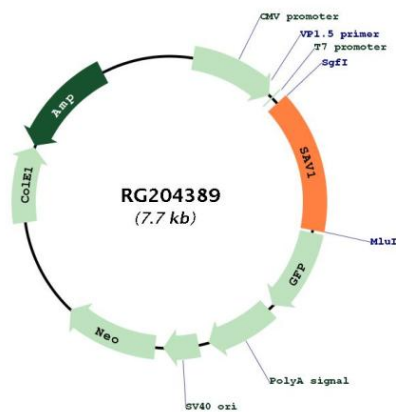
UniProt ID: [Q9H4B6](#)

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]

Product images:



Circular map for RG204389