

Product datasheet for **MC228493**

Sass6 (NM_001289571) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sass6 (NM_001289571) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sass6
Synonyms:	2810453L12Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228493 representing NM_001289571
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAAAGACTGCGAGGAGAGGATTTAGTCATCCGCTGACTGATGATACAGATCCGTTTTTTCTGTATA
 ACCTTGTTATATCTGAGGAAGATTTTCAAAGTTTAAAATTGCAGCAAGGTCTCCTGGTGGACTTCTTAGC
 TTTCCACAGAAGTTTATAGACCTCCTTCAGCAGTGATGCAAGAACACGCGAAAAGAGACTCCAAGGTTCC
 CTGCTGCAGCTTCTTTCTCAGCCACTCTTTGGAGAACTCACCGGTCTTTTAAACGTAGTGGAGACAA
 ATCCTTTTAAGCATCTTATTACCTGCTACTAAAGCTTTTACCTGGAAATGATGTAGAAATAAAGAAATT
 TCTAGCAGGATGTTTGAATGTAGCAAGGAAGAAAAATTACTGACTAGATCACTAGATGATGTTACC
 AGGCAACTGCACATTACACAAGAGACGTTGTGGAAAAATGCAAGAATTAGATAAGCTGCGGAGTGAAT
 GGGCCTCGCACACAGCATCGCTGACGAATAAGCACTCTCAGGAGTTAACAGCTGAGAAGGAGAAGGCCCTT
 GCAGACCCAAGTTCAGTGCCAACAGCAGCAGCAACAGAAAAAGGAAGTGGAAACCTCCATCAACGG
 AATATCCACCAGCTACAAAGCAGATTGTCCGAGTTAGAGGCAGCTAATAAAGAGCTCACCGAGAGGAAGT
 ATAAAGGAGACTCGACTGTCCGAGAGCTAAAGGCGAAGCTGGCTGGCGTGAAGAGGAGCTGCAGCGGGC
 CAAGCAAGAGGTCCTTTCTGAGAAGAGAGAATTGTAAGTCTGGATACTGAATGCCACGAGAAAAGAAAAG
 CACATCAACCAGCTACAAACAAAAGTGGCCGTTTTAGAACAGGAGATCAAAGATAAAGACCAGCTTGTTCC
 TGAGAACAAAAGAAGCATTTCGATACAATCCAAGAGCAAAAGGTGGCTTTAGAAGAAAATGGTGAGAAAA
 TCAGATAACAATGGGAAAACCTTGAAGCTACAATAAAATCATTATCAGCAGAACTTCTAAAGGCAAATGAG
 ATCATCAAGAAGTTACAAGGAGATCTTAAACTCTGATGGGTAATTGAACTGAAGAATACAGTTACTA
 TTCAGCAAGAAAAACTATTGGCTGAGAAAAGAAGAAATGCTACAAAAGGAGCGAAAAGGAATCACAGGACGC
 TGGGCAGTTTCTCGTGCCAAGAGCAAGAGGTATGCAGATTACAGGAACAATTAGAAAACACTACAGTTCAG
 AAACCTCGAAGAAAAGTAAACAACCTTTGAAAAATAATGAAAAATTAATCACGTGGCTAAACAAGAGCTAA
 ATGAAAATCAGCTGGTAAGAAAACAGGACACATTGGGAACCTCTGCCACCCACATTCTACTAGCAACAG
 CACCATCAGAAGTGGCTCTCTCCCAATCTGAATGTGGTTGATAGACTAAATTACCCAAGCTGTGGAAAT
 GGCTATCTGTCTCTCTGCATTGACATTCCAGAATGCTTTTCTCATGTAGTAGCTGCCAAAAACACCA
 GCCACCCTATCTCTGGACCAAAGGTTCACTTTAACCTGCAGCTTACAAAACCAAGCGCTTCGATAGATGG
 GCAGCCGGGAGCCGCTGTTAACAGGCCTTGTTCAAATGATAAGGAAAATGGTGAACCTTTAGGATTGGAA
 TCCAAATACTTGAAGAGAAGAGAAGCTAGCATTCTTTACGCGGACTTAGCCAGAATCTGTTGAGTGACT
 CAGACCATCAGAAAGACGGCATGCTGGGAGCGTTCAGCTATCTTCCAAACCCACCGTTCTCCCCTCCTC
 GTCTTCAGCCTACTTCCCTGGGCAGTTACCAAGTAGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001289571
- Insert Size:** 1860 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001289571.1](#), [NP_001276500.1](#)

RefSeq Size: 4248 bp

RefSeq ORF: 1860 bp

Locus ID: 72776

UniProt ID: [Q80UK7](#)

Cytogenetics: 3 G1

Gene Summary: Central scaffolding component of the centrioles ensuring their 9-fold symmetry. Required for centrosome biogenesis and duplication: required both for mother-centriole-dependent centriole duplication and deuterosome-dependent centriole amplification in multiciliated cells (PubMed:24240477). Required for the recruitment of STIL to the procentriole and for STIL-mediated centriole amplification (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks an alternate exon, that causes translation initiation at a downstream start codon compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to 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.