

Product datasheet for **MC228133**

Sntg1 (NM_001290393) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sntg1 (NM_001290393) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sntg1
Synonyms:	4933426D16Rik; G1SYN; SYN4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228133 representing NM_001290393
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTT**CAGA**ACTACCTGTGAGGAGACGAAGACAGGTGTTT**GCTT**GCTACAAGATGGTAA**TCAGA**AC
 CTTTTAAAGTCCGGTTACACCTT**GCCAGAGAC**CTGTTGATGCTACAGGAGCAGGATGTGCTGTGTGTC
 TGGTGAGCCTTTCTATTCTGGT**GAAAGA**ACGGTGACCATCAGAAGACAGACAGTAGGAGGATT**CGGATTA**
 AGCATAAAGGGAGGTGCAGAACATAACATCCCGTTGTCATTTCCAAAATATCTAAGGAGCAAAGAGCAG
 AGCTGTCGGGGCTGCTTTTTATTGGAGATGCAATTCTACAGATAAATGGAATTAATGTGAGGAAATGCAG
 ACATGAGGAGGTGGTTCAGGTTCTTCGGAATGCTGGGGAGGAAGTGACCCTGACAGTGTCA**TTCTTAAAA**
 CGAGCACCTGCTTTCCTCAA**ACTCC**AGTTAATGAAGACTGTGCATGTGCTCCAAGTGACCAAAGCAGTG
 GTACCTCCTCCTCTTTGTGACAGTGGCTTACACCTCAACTACCATCCAATAACACAGACACGCTTTC
 CTGCTCTTCGTGGCCACATCTCCAGGCCTGAGGTGGGAGAAGCGGTGGTGTGACCTCAGGCTCATTCC
 CTACTTCATGCCCGCTTCTCTCAGTATGTGCCCGGACTGACCTGAGTCGGCAGAACGCTTTC**CAAGTTG**
 TTGCTGTGGATGGAGTCTGCAGTGGAA**TTCTT**CAGTGCCTCTCTGCTGAAGACTGCATGGATTGGCTCCA
 AGCAATAGCATCTAACATTTCAAACCTC**ACAA**AGCACAATATCAAAAAATCAACAGAAATTTCCCTGTA
 AACCAGCAGATAGTCTACATGGGCTGGTGTGAAGCCCGGAGCAGGAATCCCTCCAAGACCGTGTGTATA
 CACCTGTGTTTCTTGCCCTGAGGGGCTCCTGTCTTTACAGGTTCTGTCACTCCAGTGACCACTGGGA
 CTGGACTCGAGCAGAGAAAACCTTCTCCGTGTGTGAGATCATGTGCAAGGTTCTCAAGGACAGTGACCTG
 CTGGATCGGCGGAAACATTGCTTCACTATGCAGTCTGAGTGTGGGAGGACCTCTACTTCTCTGTGGAGC
 TAGAGAGTGACCTTGCCCAATGGGAACGAGCCTTCCAACAGCCACCTTCTTGAAGTGGAGCGCATACA
 GTGCAAGACCTATGCATGTGTGTTGGAGAGTCACTTAATGGGCCTCACTATTGACTTCAGCACAGGCTTC
 ATCTGCTTTGACGCAGCAACAAAGGCTGTACTTTGGAGGTATAAAATTTCTCAGCTTAAAGGCTCATCAG
 ATGACGGCAAAGCAAATCAAATTTCTGTTTCAGAAATCCAGATACGAAACAGATTGAAGCAAAGGAGTT
 GGAATTTTCAAATTTATTTGCTGTTCTTCACTGTATTCA**TTCTTTT**GCTGCCAAAGTAGCTTGTGTTG
 GACCTCTGTTTTAGGTAATCAGGCTGCCACTACTGCTGCTGCAGCTCTGCTTCTACAAGCAAGGCAA
 AGCACCTGGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001290393
- Insert Size:** 1554 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_001290393.1](#), [NP_001277322.1](#)

RefSeq Size: 7213 bp

RefSeq ORF: 1554 bp

Locus ID: 71096

UniProt ID: [Q925E1](#)

Cytogenetics: 1 A1-A2

Gene Summary: Adapter protein that binds to and probably organizes the subcellular localization of a variety of proteins. May link various receptors to the actin cytoskeleton and the dystrophin glycoprotein complex. May participate in regulating the subcellular location of diacylglycerol kinase-zeta to ensure that diacylglycerol is rapidly inactivated following receptor activation (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (4) differs in the 5' UTR, compared to variant 1. Variants 1 and 4 encode the same protein (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.