

Product datasheet for MC226677

Sntg1 (NM_001290392) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sntg1 (NM_001290392) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sntg1
Synonyms:	4933426D16Rik; G1SYN; SYN4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226677 representing NM_001290392 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGATTGGCTCCAAGCAATAGCATCTAACATTTCAAACCTCACAAAGCACAATATCAAAAAATCAACA
 GAAATTTCCCTGTAAACCAGCAGATAGTCTACATGGGCTGGTGTGAAGCCCGGAGCAGGAATCCCTCCA
 AGACCGTGTGTATACACCTGTGTTCTTGCCCTGAGGGGCTCCTGTCTTACAGGTTCTGTACCTCCA
 GTGACCACCTGGGACTGGACTCGAGCAGAGAAAACCTTCTCCGTGTGTGAGATCATGTGCAAGGTTCTCA
 AGGACAGTGACCTGCTGGATCGGCGGAAACATTGCTTCACTATGCAGTCTGAGTGTGGGAGGACCTCTA
 CTTCTCTGTGGAGCTAGAGAGTGACCTTGCCCAATGGGAACGAGCCTTCCAAACGCCACCTTTCTTGAA
 GTGGAGCGCATACAGTGCAAGACCTATGCATGTGTGTTGGAGAGTCACTTAATGGCCTCACTATTGACT
 TCAGCACAGGCTTCATCTGCTTTGACGCAGCAACAAAGGCTGTACTTTGGAGGTATAAATTTCTCAGCT
 TAAAGGCTCATCAGATGACGGCAAAAGCAAAATCAAATTTCTGTTTCAGAATCCAGATACGAAACAGATT
 GAAGCAAAGGAGTTGGAATTTCAAATTTATTTGCTGTTCTTCACTGTATTCAATTCATTTTTGTGCCA
 AAGTAGCTTGTGGACCCTCTGTTTTAGGTAATCAGGCTGCCACTACTGCTGCTGTGAGCTCTGCTTC
 TACAAGCAAGGCAAAGCACCTGGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001290392
Insert Size:	798 bp


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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:	<ol style="list-style-type: none"> 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001290392.1</u> , <u>NP_001277321.1</u>
RefSeq Size:	6999 bp
RefSeq ORF:	798 bp
Locus ID:	71096
Cytogenetics:	1 A1-A2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to isoform 1. The encoded protein (isoform 3) has a shorter 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.</p>