

Product datasheet for **MR228888**

Sntg1 (NM_001290392) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sntg1 (NM_001290392) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sntg1
Synonyms: 4933426D16Rik; G1SYN; SYN4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228888 representing NM_001290392
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATTGGCTCCAAGCAATAGCATCTAACATTTCAAACCTCACAAAGCACAATATCAAAAAATCAACA
GAAATTTCCCTGTAACCAGCAGATAGTCTACATGGGCTGGTGTGAAGCCCGGGAGCAGGAATCCCTCCA
AGACCGTGTGTATACACCTGTGTTCTTGCCCTGAGGGGCTCCTGTCTTACAGGTTCTGTACCTCCA
GTGACCACCTGGGACTGGACTCGAGCAGAGAAAACCTTCCCGTGTGTGAGATCATGTGCAAGGTTCTCA
AGGACAGTGACCTGCTGGATCGGCGGAAACATTGCTTCACTATGCAGTCTGAGTGTGGGGAGGACCTCTA
CTTCTCTGTGGAGCTAGAGAGTGACCTTGCCCAATGGGAACGAGCCTTCCAAACAGCCACCTTTCTTGAA
GTGGAGCGCATACAGTGAAGACCTATGCATGTGTGTTGGAGAGTCACTTAATGGCCTCACTATTGACT
TCAGCACAGGCTTCATCTGCTTTGACGCAGCAACAAAGGCTGTACTTTGGAGGTATAAATTTTCTCAGCT
TAAAGGCTCATCAGATGACGGCAAAGCAAATCAAATTTCTGTTTCAGAATCCAGATACGAAACAGATT
GAAGCAAAGGAGTTGGAATTTCAAATTTATTTGCTGTTCTTCACTGTATTCAATCATTTTTTGTGCCA
AAGTAGCTTGTGGACCCTCTGTTTTAGGTAATCAGGCTGCCACTACTGCTGCTGTGAGCTCTGCTTC
TACAAGCAAGGCAAAGCACCTGGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228888 representing NM_001290392
Red=Cloning site Green=Tags(s)

MDWLQAIASNISNLTKHNIKKINRNFVNQQIVYMGWCEAREQESLQDRVYTPVFLALRGSCLYRFLSPP
 VTTWDWTRAEKTFVCEIMCKVLKDSDLLDRRKHCFTMQSECGEDLYFSVELESDLAQWERAFTATFLE
 VERIQCKTYACVLESHLMGLTIDFSTGFI CFDAATKAVLWRYKFSQLKGSDDGKSKIKFLFQNPDTKQI
 EAKELEFNLFAVLHCIHSFFAAKVACLDPLFLGNQAATTA AVSSASTSKAKHLA

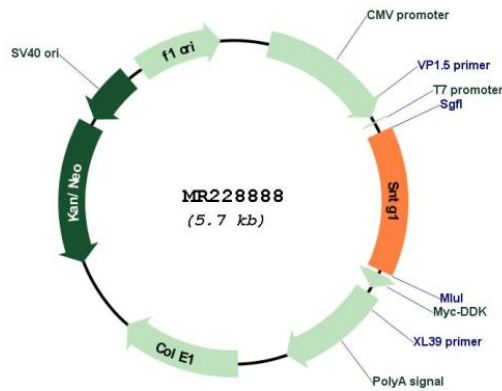
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290392
ORF Size: 795 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:	<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.
RefSeq:	NM_001290392.1 , NP_001277321.1
RefSeq Size:	6999 bp
RefSeq ORF:	798 bp
Locus ID:	71096
Cytogenetics:	1 A1-A2
MW:	30.7 kDa
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]