

Product datasheet for **MR230344**

Sntg1 (NM_001290393) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR230344 representing NM_001290393
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTTCAGAACTACCTGTGAGGAGACGAAGACAGGTGTTTGCTTGTACAAGATGGTAAATCAAGAAC
 CTTTTAAAGTCCGGTTACACCTTGCCAGAGACCTGTTGATGCTACAGGAGCAGGATGTGCTGTGTGTGTC
 TGGTGAGCCTTTCTATTCTGGTGAAGAACGGTGACCATCAGAAGACAGACAGTAGGAGGATTCCGGATTA
 AGCATAAAGGGAGGTGCAGAACATAACATCCCGGTTGTCATTTCCAAAATATCTAAGGAGCAAAGAGCAG
 AGCTGTCGGGGCTGCTTTTTATTGGAGATGCAATTCTACAGATAAATGGAATTAATGTGAGGAAATGCAG
 ACATGAGGAGGTGGTTCAGGTTCTTCGGAATGCTGGGGAGGAAGTGACCCTGACAGTGTCTTTAAAA
 CGAGCACCTGCTTTCCTCAAACCTCCAGTTAATGAAGACTGTGCATGTCTCCAAGTGACCAAAGCAGTG
 GTACCTCTCTCCTCTTTGTGACAGTGGCTTACACCTCAACTACCATCCAATAACACAGACACGCTTTC
 CTGCTCTTCGTGGCCACATCTCCAGGCCTGAGGTGGGAGAAGCGGTGGTGTGACCTCAGGCTCATTCCC
 CTACTTCATGCCCGCTTCTCTCAGTATGTGCCCGGACTGACCTGAGTCGGCAGAACGCTTTCGAAGTTG
 TTGCTGTGGATGGAGTCTGCAGTGGAAATCTTCAGTGCCTCTCTGCTGAAGACTGCATGGATTGGCTCCA
 AGCAATAGCATCTAACATTTCAAACCTCACAAAGCACAATATCAAAAAATCAACAGAAATTTCCCTGTA
 AACCAGCAGATAGTCTACATGGGCTGGTGTGAAGCCCGGAGCAGGAATCCCTCCAAGACCGTGTGTATA
 CACCTGTGTTTCTTCCCTGAGGGGCTCCTGTCTTTACAGGTTCTGTACCTCCAGTGACCACCTGGGA
 CTGGACTCGAGCAGAGAAAACCTTCTCCGTGTGTGAGATCATGTGCAAGTTCTCAAGGACAGTGACCTG
 CTGGACTCGGCGGAAACATTGCTTCACTATGCAGTCTGAGTGTGGGAGGACCTCTACTTCTCTGGGAGC
 TAGAGAGTGACCTTGCCCAATGGGAACGAGCCTTCCAAACAGCCACCTTCTTGAAGTGGAGCCATACA
 GTGCAAGACCTATGCATGTGTGTTGGAGAGTCACTTAATGGGCCTCACTATTGACTTCAGCACAGGCTTC
 ATCTGCTTTGACGCAGCAACAAAGGCTGTACTTTGGAGGTATAAATTTTCTCAGCTTAAAGGCTCATCAG
 ATGACGGCAAAAGCAAAATCAAATTTCTGTTTCAGAATCCAGATACGAAACAGATTGAAGCAAAGGAGTT
 GGAATTTTCAAATTTATTTGCTGTTCTTCACTGTATTCATTTTCTGCTGCCAAAGTAGCTTGTGTTG
 GACCTCTGTTTTAGGTAATCAGGCTGCCACTACTGCTGCTGTGACGCTCTGCTTCTACAAGCAAGGCAA
 AGCACCTGGCT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230344 representing NM_001290393
 Red=Cloning site Green=Tags(s)

MDFRRTCEETKTGVCLLQDGNQEPFKVRLHLARDLLMLQEQDVLVSGEPFYSGERVTIRRQTVGGFGL
 SIKGGAEHNIIPVVISKISKEQRAELSGLLFIGDAILQINGINVRKCRHEEVVQVLRNAGEEVTLTVSFLK
 RAPAFLLKLPVNEDCACAPSDQSSGTSSPLCDSGLHNLNHPNNTDLS CSSWPTSPGLRWEKRWCDLRLIP
 LLHARFSQYVPGTDL SRQNAFQVAVDGVCSGILQCLSAEDCMDWLQAIASNISNLTKHNIKKINRFPV
 NQQIVYMGWCEAREQESLQDRVYTPVFLALRGSCLYRFLSPPVTTWDWTRAEKTF SVCEIMCKVLKDSDL
 LDRRKHCFTMQSECGEDLYFSVELESDLAQWERAFQTATFLEVERIQCKTYACVLESHLMGLTIDFSTGF
 ICFDAATKAVLWRYKFSQLKGSSDDGKSKIKFLFQNPDTKQIEAKELEFSNLFAVLHCIHSFFAAKVA
 CLDPLFLGNQAATTAAVSSASTSKAKHLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001290393

ORF Size: 1551 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_001290393.1](#), [NP_001277322.1](#)

RefSeq Size: 7213 bp

RefSeq ORF: 1554 bp

Locus ID: 71096

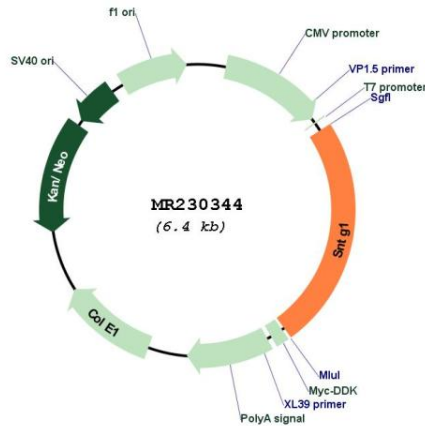
UniProt ID: [Q925E1](#)

Cytogenetics: 1 A1-A2

MW: 58 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]

Product images:



Circular map for MR230344