

Product datasheet for **MG223533**

Sntb1 (NM_016667) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sntb1 (NM_016667) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sntb1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG223533 representing NM_016667
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGTAGCGGCAGCGGCTGTGGCTGCGCCGGCTGGCGGTGGAGGCGCCCGGGCGCAGCGGAGCGGAC
 TGCTGGAAGTTTTGGTGC GGATCGCTGGCATAAAGTTCTGGTGAAC TTGAGCGAGGACGCCCTGGTGTT
 GAGCTGCGAGGAGGGCGCTGCGGCGTACAAACGGCATAGGGGCTGCCACCAATGGTTCGTTCTGCAGGGG
 TCCGGGACCGGGCACCCGGTCCCGGTGTGCTCAAGCCCGGACTCTCCCGCGGGGTCCGCACCGCCT
 TCACCGACCTCCCGGAGCAGGTACCTGAGTCCATCTCAAACCAGAAGAGGGGCGTGAAGGTGCTGAAGCA
 GGAGCTGGGCGGGCTGGGCATTAGCATCAAAGGGGGCAAGGAAAACAAGATGCCCATACTCATCAGCAAG
 ATCTTCAAGGGGCTGGCAGCGGATCAGACCAAGCCCTGTATGTGGGCGATGCCATCCTGTCGGTGAACG
 GAGCAGACCTGCGGGACCCACCCAGCAGGAGGAGTGCAGGCATTGAAGCGCGCAGGCAAGGAAGTGCT
 GCTGGAAGTGAAGTATATGAGAGAAGCCACACCTTACGTGAAGAAAGGGTCCCGGTGTCTGAGATTGGA
 TGGGAAACACCTCCACCTGAGTCTCAAGATTAGGGGGTGGCTCTGCAGAGCCTCTGTATCCCAGTCTCT
 TCTCTTCCATAGAGACCGGAAAAGCATCCCCCTCAAGATGTGTTATGTACCCGGAACATGACCTTGGC
 TGACCCTGAAAACAGGCAGCTAGAAAATTCCTCGCCAGATGCTAAGCACACAGTGATTCTGAGAAGTAAG
 GACTCTGCCACTGCCAAGCCTGGTTCAGCGCCATTCAATCCAACGCTGGTGACTTGCTGACCCGTGTGG
 TTGCTGACATCAGGGAGCAGCTGGGAAAACAGGCATTGCTGGCAGTCTGAGATCAGGCATCTTGGCTG
 GCTTGCAGAAAAGGTGCCCGGAGAGTGAAGAACAGTGGAAACCAGCCCTGGTTGTTCTGACTGAGAAA
 GATCTTTAATCTACGACAGCATGCCACGGAGGAAAGAGGCTGGTTCAGCCCGGTGCATTCGTATCCAC
 TTCTTGTACCAGGCTGGTCCATTCAGGTCAGGAAAAGGATCACCCAGGCTGGGATGGATGTCTCTT
 TGC AACCGAACTGGCACCAAGCAAGGAATTGAAACACATCTCTTCAGGGCAGAGATCAGCAGGGACCTC
 TCCACTGGACAAGAAGCATAGTACAGGGGTGCCACAATTCAGCGGAGCTCACTGCCGAAATCACACAG
 CCTGCACCTACAGAAAACAGGAATGCCGCTTGACCATACATTATGACAATGGATTTTCTATTTCCACTGA
 GCCTCAGGATGGTGCCTTCCCAAGACAATCATACAGTCCCTTATGAGAAGCTCAAAATGTCTTCGGAT
 GATGGAATCAGGATGCTCTATTTAGACTTTGGAGGCAAAGAAGGAGAGATTCAACTGGACCTTCACTCT
 GCCCAAGCCGATCGTTTTATCATCCACTCTTTCTGTCTGCTAAGATAACACGACTGGGCTTGGTGGC
 C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG223533 representing NM_016667
 Red=Cloning site Green=Tags(s)

MAVAAA VAAPAGGGGARAQRSGLLLEVLVRDRWHKVLVNLSEDALVLSCEEGAAAYNGIGAAATNGSF CRG
 SGTGHPVPGVAQAPDSPAGVRTAFDLP EQVPESISNQKRGVKVLKQELGGLGISIKGGKENKMPILISK
 IFKGLAADQTQALYVGDAILSVNGADLRDATHDEAVQALKRAGKEVLLLEV KYMREATPYVKKGSPVSEIG
 WETPPPEPRLLGGSAEPLSSQSF SFHRDRKSIPLKMCYVTRNMTLADPENRQLEIHSPDAKHTVILRSK
 DSATAQAWFSAIHSNAGDLLTRVVADIREQLGKTGIAGSREIRHLGWLAEKVPGESEKQWKPALVVLTEK
 DLLIYDSMPRRKEAWFSPVHSYLLATRLVHSGPGKGSPPQAGMDLSFATRTGTKQGIETHLFR AEISRD
 SHWTRSIYVQGCHNSAELTAEIT TACTYRNQECRLTIHYDNGFSISTEPQDGAFPKTI IQSPYEKLKMSSD
 DGIRMLYLD FGGKEGEIQLDLHSCPPIVFI IHSFLSAKITRLGLVA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_016667

ORF Size: 1611 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_016667.3](#), [NP_057876.1](#)

RefSeq Size: 2153 bp

RefSeq ORF: 1614 bp

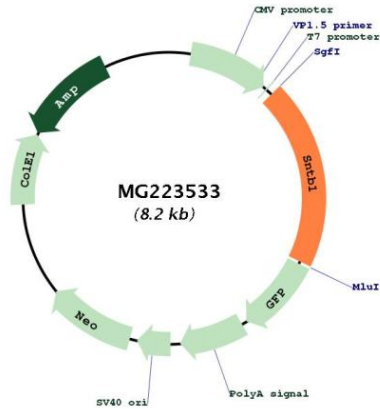
Locus ID: 20649

UniProt ID: [Q99L88](#)

Cytogenetics: 15 22.14 cM

Gene Summary: Adapter protein that binds to and probably organizes the subcellular localization of a variety of membrane proteins. May link various receptors to the actin cytoskeleton and the dystrophin glycoprotein complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG223533