

## Product datasheet for MR203713

### Sntb1 (BC003748) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sntb1 (BC003748) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sntb1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203713 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC

ATGGCGGTAGCGGCAGCGGCTGTGGCTGCGCCGGCTGGCGGTGGAGGCGCCCGGGCGCAGCGGAGCGGAC  
TGCTGGAAGTTTTGGTGCGGGATCGCTGGCATAAAGTTCTGGTGAAC TTGAGCGAGGACGCCCTGGTGT  
GAGCTGCGAGGAGGGCGCTGCGGCGTACAACGGCATAGGGGCTGCCACCAATGGTTCGTTCTGCAGGGGC  
TCCGGGACCGGGCACCCGGTCCCGGTGTCGCTCAAGCCCCGACTCTCCCGCCGGGTCCGCACCCGCT  
TCACCGACTCCCGGAGCAGGTACCTGAGTCCATCTCAAACAGAAAGAGGGGCGTGAAGTGCTGAAGCA  
GGAGCTGGGCGGGCTGGCATTAGCATCAAAGGGGCAAGGAAAACAAGATGCCATACTCATCAGCAAG  
ATCTTCAAGGGGCTGGCAGCGGATCAGACCCAAGCCCTGTATGTGGCGATGCCATCCTGTCGGTGAACG  
GAGCAGACTGCGGGACGCCACCCACGACGAGGAGTGCAGGCATTGAAGCGCGCAGGCAAGGAAGTGCT  
GCTGGAAGTGAAGTATATGAGAGAAGCCACACCTTACGTGAAGAAAGGTCCCGGTGCTGAGATTGGA  
TGGGAAACACCTCCACCTGAGTCTCAAGATTAGGGGTGGCTCTGCAGAGCCTCTGTCATCCAGTCTCT  
TCTCCTCCATAGAGACCGAAAAGCATCCCCCTCAAGATGTGTTATGTCACCCGGAACATGACCTTGGC  
TGACCCTGAAAACAGCACCCATCTAGTGACCTCATACCAATACAAGGATGGGCTGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGTTTAA



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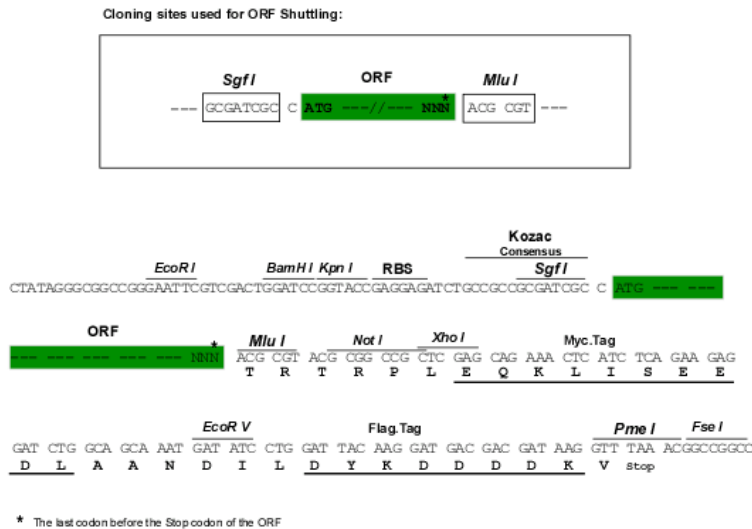
**Protein Sequence:** >MR203713 protein sequence  
 Red=Cloning site Green=Tags(s)

MAVAAAVAAPAGGGGARAQRSGLLEVLVRDRWHKVLVNLSEDALVLSCEEGAAAYNGIGAATNGSFCRG  
 SGTGHPVPGVAQAPDSPAGVRTAFDLPPEQVPESISNQKRGVKVLKQELGGLGISIKGGKENKMPILISK  
 IFKGLAADQTQALYVGDAILSVNGADLRDATHDEAVQALKRAGKEVLLEVKYMREATPYVKKGSPVSEIG  
 WETPPPEsprLGGGSAEPLSSQSFsfHRDRKSIPLKMCYVTRNMTLADPENSTHPSDLIPIQGWAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC003748

**ORF Size:** 828 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:** [BC003748](#), [AAH03748](#)

**RefSeq Size:** 1239 bp

**RefSeq ORF:** 830 bp

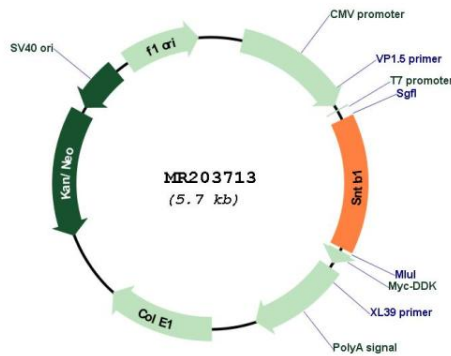
**Locus ID:** 20649

**Cytogenetics:** 15 22.14 cM

**MW:** 28.9 kDa

**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 MR203713