

Product datasheet for **RR203810**

Sntb1 (NM_001130542) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sntb1 (NM_001130542) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sntb1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR203810 representing NM_001130542
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGTAGCGGCAGCGCAGCGGCTGTGGCTGCGCCGGCTGGCGGTGGAGCGCCCGGGCGCAGCGGA
 GCGGACTGTTGGAAGTTTTGGTGCGGGATCGCTGGCATAAAGTTCTGGTAACTTGAGCGAGGACGCCCT
 GGTGTTGAGCTGCGAGGAGGGCGCTACGCGGTACAACGGCATAGGGACTACCACCAATGGTTCGTTCTGC
 AGGGGCTCCGGGACCGGGCACCCGGGCACTGGTGTGCCTCAAGCCCCGACTCTCCTGCCGGGTCCGCA
 CCGCCTTCACCGACTGCCAGAGCAGGTGCCTGAGTCCATCTCAAACCAGAAGAGGGGCGTGAAGGTCTT
 GAAGCAGGAGCTGGGCGGCTGGGCATTAGCATCAAAGGGGGCAAGAAAAACAAGATGCCATACTCATC
 AGCAAGATCTTCAAGGGGCTGGCAGCCGATCAGACCCAAGCCCTGTACGTGGGCGATGCCATCTGTGAG
 TGAATGGAGCAGACCTGCGGGACGCCACCCACGACGAGGCAGTACAGGCGCTGAAGCGCGCAGGCAAGGA
 AGTGCTGCTGGAAGTGAAGTACATGAGAGAAGCCACACCTTACGTGAAGAAAGGATCCCCGTGTCTGAG
 ATTGATGGGAAACACCTCCACCTGAGTCCCCAAGATTAGGGAGTGGCTCTGCAGATCCTCTGTATCCC
 AGCCCTTCTCCTTCCATAGAGACCGGAAAAGCATCCCCCTCAAGATGTGTATGTACCCGGAGCATGAC
 TTTGGCTGACCCTGAAAACAGGCAGCTTGAATCACTCGCCAGATGCTAAGCACACAGTGGTCTGAGG
 AGTAAGGACTCTGCCACTGCCAAGCCTGGTTCAGTGTATCCATTCCAACGTTGGTGACTTGTGGTCC
 GTGTGGTTGCTGACATCAGGGAGCAGCTGGGGAAGACAGGTATTGCTGGCAGTGTGAGATCAGGCATCT
 TGGCTGGCTTGCAGAAAAGGTACCTGGAGAGAGTGAGAAACAGTGGAAACCAGCCCTGGTTGTTCTGACT
 GAGAAGGATCTTCAATCTATGACAGCATGCCCGGAGGAAAGAGGCCTGGTTAGCCAGTACATTCGT
 ACCCACTTCTTCCACCAGGTTGGTCCATTCCGGCCAGGAAAGGATCACCTCAGGCTGCATGGACCT
 GTCCTTTGCAACTCGAACTGGTACCAAGCAAGGAATTGAAACACATCTCTCAGGGCAGAGATCAGCAGG
 GACCTCTCCCACTGGACAAGGAGCATAGTACAGGGGTGCCACAATTACAGCAGAGCTCACTGCTGAAATCA
 CCACCGCCTGCACCTACAGAAAACAGGAATGCCGCTTGACCATACATTACGACAATGGATTTTCTATTTT
 CACTGAGCCTCAGGATGGTGCCTTTCCCAAGACAATCATAACAGTCCCCTTATGAGAAGCTCAAAATGTCT
 TCGGATGATGGAATCAGGATGCTCTATTTAGACTTTGGAGGCAAAGAAGGAGAGATTCAACTGGACCTTC
 ACTCCTGCCCAAGCCCATCGTTTTATCATCCATTCTTTCTGTCTGCTAAGATCACACGACTGGGCTT
 GGTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203810 representing NM_001130542
 Red=Cloning site Green=Tags(s)

MAVAAAAAavaapAGGGGARaQrSGLLEVLVRDRWHKVLVNLSEDALVLSCEEGATAYNGIGTTTNGSFC
 RGSgtGHPGTGVPQAPDspAGVrtaFTDLPEQVPESISnQKRgVKVLKQELGGLGISIKGGKEnKMPILi
 SKIFKGLAADQTQALYVGDAILSVNGADLRDATHDEAVQALKRAGKEVLLVVKYMRATPYVKKGSPVSE
 IGWETPPPEsprLGSgsADPLSSQPFsfHRDRKSIPLKMCYVTRsMTLADPENRQLEIhSPDAKHTVVLr
 SKDSATAQAWFSaIHsnVGDLLVRVvADIREQLGKTGIAGSREIRHLGWLAEKVPGESEKQWKPALVVLt
 EKDLLIYDSMPRRKEAWLSPVHSYPLLATRLVHSGPGKSPQAAMDLSFATRtGTkQGIETHLFRAEISR
 DLShWTRsIVQgChNSAEltAEITtACTYRNqECRLtIHYDNGFSIStEPQDGAfPKTIiQSPYEkLKMS
 SDDGIRMLYLDFGGKEGEIQLDLHSCPPIVFIIHSFLSAKITRLGLVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

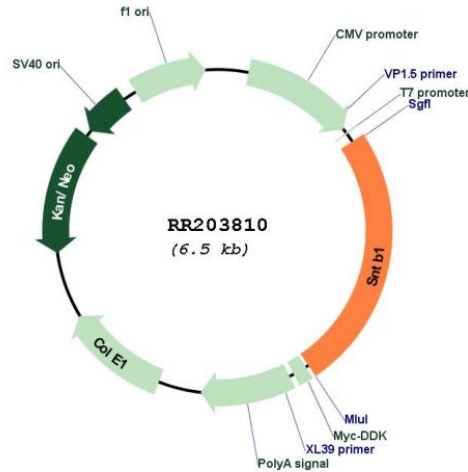
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001130542

ORF Size: 1617 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_001130542.1](#), [NP_001124014.1](#)

RefSeq Size: 2502 bp

RefSeq ORF: 1620 bp

Locus ID: 299940

Cytogenetics: 7q32

MW: 58.3 kDa