

## Product datasheet for **RR216837**

### **Sntb2 (NM\_001168674) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sntb2 (NM_001168674) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sntb2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR216837 representing NM\_001168674  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGTGTGGACGCGGCCACCAAGCGGGACTGGTGGAGCTGCTTCTGAGGGAGCGCTGGTGCGGG  
 TGGTGGCCGAACCTCAGTGGCGAGAGCCTGAGCCTGACGGGCGACGCCGCGCGGTCGAGCCTGAACCGCC  
 CGCGGTGCGCTTCAACGGTCTCCCGAACGGCGGGCGGCGGCGGAGACTCGCTGCCGGGAGCCCGAAC  
 CGCGGCCCTGGGGCCGCCAGCCCTCCCGCGCCGCCCGCGGTCCGGCTGGGGAAGCGAGCGCTCGCCCC  
 CCGTGCGCCGAGTGCAGTGGTGAAGCAGGAGGCGGGCGGCTGGGCATCAGCATCAAGGCGGCCGAGA  
 GAACCGGATGCCGATCCTCATCTCAAGATCTCCAGGGCTGGCGGCCAGCAGAGCCGGGCGTGC GG  
 CTAGGCGACGCCATCCTGTCGGTGAACGGCACCGACTGCGCCAGGCCACCCAGCAGCCGCTGCAGG  
 CGCTGAAGCGCGGGCAAGGAGGTGCTGCTGGAGGTCAAGTTCATCCGAGAAGTAACACCATATATCAA  
 GAAACCATCATTAGTATCAGATCTGCCGTGGGAAGGTGCCTCTCCCAAGTCAACCAAGCTCAGTGGCAGT  
 GAAGACTCTGGCTCTCAAAGCATCAGAACACCACCAAGGACAGGAAGGTCATCCCTCTCAAATGTGCT  
 TTGCTGCTAGAAACCTAAGCATGCCGATCTGGAGAACAGATTGATAGAGCTACATTCTCCTGATAGCAG  
 GAACACCTTGATCTTACGCTGCAAGGATACGGCCACAGCACACTCCTGGTTTCGATAGTATCCACACCAAC  
 ATAATGGCTCTCCTCCCACAGGTAAGGCTGAGCTCAATGCCATGCTTGGTGCAACCAAGTACAGCGGGAG  
 GCAGCAAGGAAGTCAAGCATATTGCCTGGCTGGCAGAGCAGGCAAACTAGATGGTGAAGACAGCAGTG  
 GAGGCTGTTCTCATGGCTGTGACTGAGAAGGATTTGCTACTTTATGACTGTATGCCGTGGACAAGAGAT  
 GGCTGGCATCGCCGTGCATAGCTACCCTCTTGTGCCACAAGTTGGTTCATTAGGTTCTGGATGTC  
 GCTCGCCTTCCCTGGATCTGACCTTACCTTTGCTACCAGGACGGGCTCTCGCAGGGCATTGAGATGCA  
 TCTCTTACAGGTTGAAACGCATCGGGATTTGTCGACCTGGACCAGAATACTTGTCCAGGGCTGCCATGCT  
 GCTGCTGAGCTGATCAAGGAAGTCTCCCTAGGCTGCACCTTAAGTGGCCAAGATGTAAGATTCACTGTCC  
 ACTATGAGCACGGGTTACGATCACCAGAGACAATGGCGGCACCAGCAGCATATTGTACCCTATCCCTT  
 TGAACGGCTGAAGATGTCTGCTGATGATGGAATCAGAAATCTCTACTTGGATTTTGGTGGTCTGAGGGA  
 GAACTGACTATGGATCTGCATTCTGTCCAAAGCCGATTGTGTTGTATTGCACACATTCTATCTGCCA  
 AAGTCACTCGCATGGACTGCTGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR216837 representing NM\_001168674  
 Red=Cloning site Green=Tags(s)

MAVWTRATKAGLVELLLRERWVRVVAELSGESLSLTGDAAAVEPEPPAVAFNGLPNGGGGGDSLPGSPN  
 RGLGPPSPAPPGRPAGEASASPPVRRVRVVKQEAGGLGISIKGGRENRMPIISKIFPGLAADQSRALR  
 LGDAILSVNGTDLRQATHDQAVQALKRAGKEVLLLEVKFIREVTPYIKKPSLVSDLPWEGASPPQSPFSGS  
 EDSGSPKHQNTTKDRKVIPLKMCFAARNLSMPDLENRLIELHSPDSRNTLILRCKDTATAHSWFVAIHTN  
 IMALLPQVLAELNAMLGATSTAGGSKEVKHIAWLAEQAKLDGGRQWRPVLMAVTEKDLLLYDCMPWTRD  
 AWASPCHSYPLVATRLVHSGSGCRSPSLGSDLTFATRTGSRQGIEMHLFRVETHRDLSTWTRILVQGCHA  
 AAELIKEVSLGCTLGQDVRFTVHYEHGFTITRDNGGTSSILYRYPFERLKMSADDGIRNLYLDFGGPEG  
 ELTMDLHSCPPIVFLHTFLSAKVTRMGLLV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**ACCN:** NM\_001168674

**ORF Size:** 1566 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\\_001168674.1](#), [NP\\_001162145.1](#)
**RefSeq Size:** 1698 bp

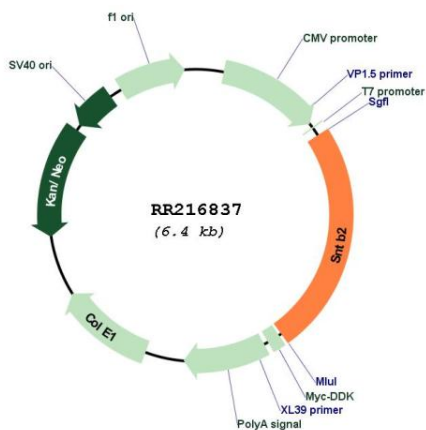
**RefSeq ORF:** 1569 bp

**Locus ID:** 689421

**Cytogenetics:** 19q12

MW: 56.5 kDa

Product images:



Circular map for RR216837