

Product datasheet for **RN214729**

Stxbp1 (NM_013038) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stxbp1 (NM_013038) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Stxbp1
Synonyms:	ANC18HA; Munc18-1; n-sec1; nSec1; NSEC1A; rbSec1; rbSec1A; rbSec1B; Sec1; Unc18-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214729 representing NM_013038
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCCATTGGCCTCAAGGCGGTGGTCGGAGAGAAGATCATGCATGATGTTATCAAGAAGGTGAAGA
 AGAAGGGCGAGTGAAGGTGCTGGTGGTGGACCGTTAAGCATGAGGATGCTGTCTTCTGCTGCAAGAT
 GACAGACATCATGACCGAGGGGATCACAATTGTGGAGGATATCAACAAGCGCCGAGAGCCCTCCCCAGC
 CTAGAGGCCGTGTACCTCATCACCCGCTGAGAACTGTGCCACTCTCTCATCAGTGATTTTAAGGACC
 CGCCGACTGCTAAATATCGGGCCGACATGTGTTCTTACAGACTCATGTCCAGATGCCCTGTTTAAACGA
 GCTGTTAAATCTCGAGCAGCCAAAGTCATCAAGACGCTGACGGAAATCAACATTGCGTTTCTCCCTAT
 GAGTCCCAGGTGATTCCCTGGACTCCGCTGACTCTTCCAAAGTTTCTACAGCCCTCACAAGGCACAGA
 TGAAGAATCCCATACTGGAACGCCTGGCAGAGCAAATCGCCACCCTGTGTGCCACCCTGAAGGAGTACCC
 GGCTGTGCGGTATCGGGGGGAGTACAAGGACAATGCCTTGTGGCTCAGCTGATCCAGGACAAGCTGGAC
 GCTTATAAAGCTGATGACCCGACAATGGGGGAGGGTCCCGACAAGGCACGGTCCAGCTCCTGATCCTGG
 ATCGTGGCTTTGACCCAGCTCCCTGTGCTTCATGAACTGACGTTTCAGGCTATGAGTTACGACCTGCT
 GCCTATTGAAAATGATGTTTACAAGTATGAGACCAGCGCATTGGAGAGGCGAGGGTGAAGGAGGTGCTC
 CTGGATGAGGACGATGACCTGTGGATTGCACTGCGACACAAGCACATCGCAGAGGTGTCCAGGAAGTGA
 CCCGGTCTCTGAAGGACTTTTCTCTAGCAAGAGGATGAATACTGGAGAGAAGACCACCATTGCGGGACCT
 GTCCCAGATGCTGAAGAAAATGCCCCAGTACCAGAAGGAGCTCAGCAAGTATTGACTCACCTGCACCTT
 GCTGAAGACTGTATGAAGCATTACCAAGCACCGTAGACAAAATCTGCCCGTGGAGCAGGACCTGGCGA
 TGGGCACAGATGCTGAGGGGGAAAAAATCAAGGACCCCATGAGAGCCATTGTCCCCTCCTGCTGGATGC
 AAATGTCAGCACTTATGACAAAATTCGCATCATCCTTCTCTACATCTTCTGAAAGAACGGTATCACTGAA
 GAAAACCTAAACAACTCATCCAGCACGCCAGATCCCCCAGAAGACAGTGAGATCATACCAACATGG
 CTCACCTCGGGGTGCCATCGTCACGGATTCCACACTACGCCGAGAAGCAAGCCGGAGCGGAAGGAGCG
 CATCAGTGAGCAGACCTACCAGCTCTCACGATGGACCCCGATCATTAAAGACATTATGGAGGACACCATT
 GAAGACAACTGGATACAAAGCACTACCCATACATCTCTACCCGCTTCCGCATCCTTCAGCACCCTG
 CTGTGAGTGCCCGCTATGGACATTGGCACAAGAATAAGGCCCCCGGGGAGTACCGCAGCGCCCGCCCT
 CATTATTTTTCATCCTTGGGGCGTGAGCCTGAATGAGATGCGCTGTGCCTACGAAGTGACGACGGCCAAC
 GGCAAGTGGGAAGTGCTCATAGGATCCACGCACATTCTCACCCACAGAACTGCTGGACACGCTGAAGA
 AGCTGAATAAAACAGACGAAGAAATAAGCAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_013038
- Insert Size:** 1785 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_013038.3](#), [NP_037170.1](#)

RefSeq Size: 3546 bp

RefSeq ORF: 1785 bp

Locus ID: 25558

UniProt ID: [P61765](#)

Cytogenetics: 3p11

Gene Summary: inhibits binding of synaptobrevin and SNAP-25 to syntaxin 1A to modulate SNARE complex formation; acts to regulate neurotransmission [RGD, Feb 2006]