

Product datasheet for **RN208993**

Stxbp2 (NM_031126) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stxbp2 (NM_031126) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Stxbp2
Synonyms:	Munc18b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN208993 representing NM_031126
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCCCTTGGGGCTGAAGGCGGTGGTGGTGGAAAAAATTCTAAGTGGAGTCATCCGGAGCGTTAAGA
 AGGATGGCGAGTGAAGGTACTCATCATGGATCATCCGAGCATGCGAATCTTGTCATCCTGTGTAATAAAT
 GTCAGATATCTTGGCGGAGGGCATCACCATTTGTGAAGACATCAACAAACGGAGAGAACCCATCCAGC
 TTGGAGGCAATTTATTTGCTGAGTCCCACAGAGAAGTCGGTTCAGGCTCTGATTGCGGACTTCCAGGGGA
 CACCAACCTTCACCTACAAAGCAGCCATATCTTCTCACGGACACGTGCCCGAGCCCTTGTTCAGTGA
 ACTGGGCCGCTCTCGCTGGCGAAGGTGGTGAAGACACTGAAAGAGATCCACCTCGCCTTCTCCCTAT
 GAGGCCAGGTGTTCTCTCTGGATGCCCGCACAGCACCTACAACCTTTATTGCCATTTTCGGGCAGGGG
 AGCGGGGGCGGCAGCTCGATGTGCTGGCCAGCAGATAGCCACACTGTGTCCACTTTCAGGAATACCC
 ATCCATTCGCTACCGCAAGGGCCAGAAGACACAGCCAGCTGGCCCATGCTGTCTGGCCAAGCTGAAC
 GCCTTCAAGGCAGACACTCCAGTCTGGGCGAGGGCCAGAGAAAACACGCTCACAGTTGCTCATATGG
 ACCGGGCAGCAGACCCCGTGTCCCGCTATTACATGAACTCACATTCCAAGCCATGGCCTATGATCTTCT
 GCACATCGAGCAGGACACATACAGGTATGAGACCACAGGACTGAGCGAGTCCCGGGAGAAGGCTGTGCTC
 CTGGATGAAGACGATGACCTGTGGGTGGAATCCGGCACATGCACATAGCGGATGTGTCCAAGAAGGTCA
 CGGAGCTCCTGAAGACATTTCTGTGAGAGCAAGCGGCTGACCACAGACAAGGCCAACATCAAAGACCTGTC
 CCACATCTGAAAAGATGCCACAGTATCAGAAGGAGTTGAACAAGTACTCCACGCACCTGCACTTGGCA
 GATGACTGCATGAAGCACTTCAAGGGCTCGGTGGAGAAGCTGTGCGGTGTGGAGCAGGACCTGGCCATGG
 GCTCTGATGCAGAGGGTGAGAAGATCAAGGACACCATGAAACTGATTGTCCCGGTGCTGTTGGATGCCTC
 CGTGCCACCCTATGACAAGATCCGGTTCGCTGCTCTACATCCTTCTGCGGAACGGTGTGAGTGAGGAA
 AATCTGGCCAAGCTGATCCAGCATGCTAATGTGAGTCCACAGCAACCTCATCCGGAACCTGGAGCAGC
 TGGGGGGCACTGTACCAACTCTGCGGGCTCAGGGACCTTAGCCGGCTGGAGCGGAGAGAACGCATGGA
 GCCACCTACCAGCTGTCTCGTGGTCCCGAGTCAAGGACGTGATGGAGGATGTGGTGGAGGACCGG
 CTAGACCGAAAGCTGTGGCCCTTCTGTCTGACCTGCCCTGTGTCTAGCTCCAAGCAGCTGTACGA
 GTGCTCGCTTTGGCCACTGGCATAAAAACAAAGCTGGTATAGAGGCTCGGGCTGGACCCAGGCTCATCGT
 GTACATTGTGGTGGTGTGCGCATGTCTGAAATGAGGGCTGCTTATGAGGTGACCAGAGCCACTGAAGGC
 AAGTGGGAGGTAATTATAGGCTTCTCCACATCCTCACTCCAACCGCTTCTCGATGACCTCAGGACCC
 TGGATCAGAAGCTGGAGGACATAGCCCTGCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_031126
- 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_031126.1](#), [NP_112388.1](#)

RefSeq Size: 2118 bp

RefSeq ORF: 1785 bp

Locus ID: 81804

UniProt ID: [Q62753](#)

Cytogenetics: 12p12

Gene Summary: syntaxin binding protein; important for synaptic vesicle exocytosis; may be a component of the SNARE complex; may be involved with pancreatic beta-cell exocytosis [RGD, Feb 2006]