

## Product datasheet for **MC200716**

### **Stxbp2 (NM\_011503) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Stxbp2 (NM_011503) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stxbp2
Synonyms:	C79054; Munc-18-2; Munc-18b; Munc18b; muSec1; Sxtbp2; Sxtp2; Unc18-2; Unc18b
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC008102 sequence for NM\_011503  
 GCTATTCTCAGGGGAAGATGGCGCCCTTGGGGCTGAAGGCGGTGGTAGGGGAAAAATTTAAGCGGCG  
 TCATCCGGAGCGTTAAGAAGGATGGCGAGTGGAAGGTCTCATCATGGATCACCCGAGCATGCGAATCTT  
 GTCATCCTGTTGTAATAATGTCAGATATCCTGGCGGAGGGCATCACCATCGTGAAGACATCAACAAACGG  
 AGAGAACCATTCCCAGCTTGGAGGCAATTTATTTGCTGAGTCCCACGGAGAAGTCGGTTCAGGCCCTGA  
 TTGCGGACTTCCAGGGAACCAACCTTACCTACAAAGCAGCCCATATCTTCTCACTGACACATGCC  
 TGAGCCCTTGTTCACTGAAGTGGCGCCCTCTCGCCTGGCGAAGGCGGTGAAGACATTGAAAGAGATCCAC  
 CTTGCCTTCTCCCTATGAGGCCAGGTGTTCTCTCTGGATGCCCCACATAGCACCTACAACCTTACT  
 GTCATTCCGAGCAGGGAGCGGGGCGGCGAGCTCGATGCACTGGCCAGCAGATAGCCACACTGTGTGC  
 CACTCTTCAGGAATACCCATCCATCCGATACCGCAAGGGTCCAGAAGACACAGCCAGCTGGCCATGCT  
 GTCCTGGCAAGCTGAACGCCTTCAAGGCAGACTCCCAGTCTGGCGAGGGCCAGAGAAAACACGCT  
 CACAGCTACTATAATGGACCGGGCAGCAGACCCCGTGTCCCACTATTACGAACTCACGTTCCAAGC  
 CATGGCCTATGATCTTCTGGACATCGAACAGGACACATACAGGTATGAGACCACAGGGCTGAGTGTGTC  
 CGGGAGAAGGCTGTCTCTGGATGAAGATGATGACCTGTGGGTGGAAGTTCGGCACATGCACATAGCAG  
 ATGTTTCCAAGAAGTGCAGAACTCCTGAAGACATTCTGTGAGAGTAAGAGGCTGACCACAGACAAGGC  
 CAACATCAAAGACCTGTCCACATCCTGAAAAGATGCCACAGTATCAGAAGGAGCTGAACAAGTACTCT  
 ACGCACCTGCATTTGGCAGATGACTGCATGAAGCATTTC AAGGGCTCGGTGGAGAAGCTGTGCAAGTGTGG  
 AGCAGGACCTGGCCATGGGCTCTGATGCAGAGGGTGAGAAGATCAAGGACGCCATGAAGCTGATTGTCCC  
 GGTGCTGCTGGATGCCTCGGTGCCACCCTACGACAAGATCCGGGTTCTGTTGCTTACATCCTTCTGCGG  
 AATGGGGTGAGTGAGGAGAACCTGGCCAAGCTGATCCAGCATGCCAACGTGCAGTCTGACAGCAGCTCA  
 TCCGGAATCTGGAGCAGCTGGGCGGCACTGTACCAACTCCGCGGGCTCAGGGACCTCTAGCCGGCTGGA  
 GCGGAGAGAGCGCATGGAGCCCACCTACCAGCTGTCTCGCTGGTCCCCAGTATCAAGGATGTGATGGAG  
 GATGTGGTGGAGACCGGCTAGACCGAAAGCTGTGGCCCTTTGTGTCTGACCCCTGCCCCTGTGCCTAGCT  
 CCCAGGCAGCTGTCAGCGCTCGCTTTGGCCACTGGCACAAAAACAAAGCTGGAGTAGAGGCCCGGGCTGG  
 GCCTAGGCTCATCGTGTACATTGTGGTGGTGTGCCATGTGCGAAATGAGGGCTGCCTATGAGGTGACC  
 AGGGCCACTGAGGGCAAGTGGGAGGTGCTCATAGGCTCTTCTCACATCCTTACTCCAACCCGCTTCTCTG  
 ATGACCTCAAGACACTGGATCAGAAGCTGGAGGGTGTGGCCCTGCCCTGACACAGCCCCTTGCTCTGCC  
 CTCTCTATTCCAGAGAAATAAACGCTTCCCTTGTCTTCCAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_011503

**Insert Size:** 1782 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:** [BC008102](#), [AAH08102](#)

RefSeq Size: 1878 bp

RefSeq ORF: 1782 bp

Locus ID: 20911

UniProt ID: [Q64324](#)

Cytogenetics: 8 1.92 cM

**Gene Summary:** Involved in intracellular vesicle trafficking and vesicle fusion with membranes. Contributes to the granule exocytosis machinery through interaction with soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) proteins that regulate membrane fusion. Regulates cytotoxic granule exocytosis in natural killer (NK) cells (By similarity). [UniProtKB/Swiss-Prot Function]