

Product datasheet for **MC218250**

Stxbp4 (BC032881) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stxbp4 (BC032881) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stxbp4
Synonyms:	6030470M02Rik; Synip
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >BC032881
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGATGGTACAGCTTCTGCCCGATCATCCAGCCACTTGACAGGGATCCTGCCTTTGGGTGATTA
 CAGTTACTAAGGAAACAGGTCTAGGTCTGAAGATCCTAGGCGGAATTAACAGGAATGAAGGACCGCTGGT
 GTATATTCACGAAGTCATTCTGGAGGTGACTGTTACAAGGATGGACGTTTGAAGCCAGGAGATCAACTT
 GTCTCAATAAACAAGGAATCTATGATTGGTGTATCATTGAAGAAGCAAAAAGCATAATTACCAGAGCCA
 AGTTGAGGTCAGAATCTCCCTGGGAGATAGCATTATCAGACAAAAGTCTTACTGTGGCCATCCAGGAAA
 TATTTGCTGTCCATCCCCACAAGTGTGAGAAGACTGTGGACCTCAAACCTCAACATTTACTCTTCTTTCC
 TCTCCCTCTGAACACTACTTCAAAGACTTCATCCACTCCCAGACTCAGGACTCCACTTTCCTTCTT
 GTAAGCAATTCAGACAAAACCTGAACACGATAAAACAGAACATAGTCCAATTACTTCTTTGGACAACAG
 CCCTGCAGATACATCTAATGCAGACATTGCTCCAGCCTGGACTGATGATGATTCTGGACCACAAGGAAAG
 ATTTCCCTAAATCCTTCTGTTCCGCTTAAGGCAGAGAAACTGAAATGGCTCTCAATTACCTCGGTATAC
 AGCCAACAAGGAACAACGTGAAGCCCTGAGAGAGCAAGTCCAGGCCGACTCAAAGGGGACTGTGTCTTT
 TGGAGATTTCTGTCAGGTTGCCAGAAGTTGTTTTGCTTGCAGTTGGATGAAGTAAATGTTGGTGTCCAT
 GAAATCCCAGCATCTTAGACTCACAGCTTCTCCCTGTGATTCTCTAGAAGCAGATGAAGTGGGAAAAC
 TTAGACAAGAAAGAAACGCTGCTCTAGAGGAACGGAATGTGCTTAAGGAGAAGTTACTGGAATCAGAAAA
 GCACAGGAAACAATTGATAGAAGAACTCCAGAATGTGAAGCAGGAAGCCAAAGCTGTAGCTGAGGAAACC
 CGAGCTCTGCGAAGCCGATTCTCTCGAGAAGCTGCACAGCGCAGGCACACGGGATGGAAATGGATT
 ATGAAGAGGTGATCCGTCTGCTAGAGGCTGAGGTCTCAGAATAAAGGCTCAGCTCGCTGATTATTCTGA
 CAAAATAAAGAAAGTGTCCAGGACTTGAGAAAAAGAGTCAACCGTTCTTACTGCCAATTGCGAAAATCA
 GAAATGGCTCGGAAAGCATTCAAGGCGTCCACTGAAAGGCTCCTTGGTTTCATAGAGGCTATTCAAGAAG
 TTCTTTGGATAGTTCTGCTCCTTTATCAACTTTAAGTAAAAGAAGAGCTGTGCTCGCATCTCAGACTTC
 GCTTCCACTGCTGGCAAGGAACGGACGCAGCTTCCCAGCAACCCTGCTTCTGGAATCCAAGGAGCTTGTC
 AGATCTGTCCGTGCCATACTTGATAGGACTGTAAGTTATCATTATCATCTTCTTCTTCTCTCTCTCTCT
 CCTCTCTTCTCTCTCTTCTTCTTGTAAATTTATTAACAAAGCAGAAGAAAGACCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: BC032881

Insert Size: 1602 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: [BC032881](#), [AAH32881](#)

RefSeq Size: 1807 bp

RefSeq ORF: 1601 bp

Locus ID: 20913

Cytogenetics: 11 D

Gene Summary: Plays a role in the translocation of transport vesicles from the cytoplasm to the plasma membrane. Inhibits the translocation of SLC2A4 from intracellular vesicles to the plasma membrane by STX4A binding and preventing the interaction between STX4A and VAMP2. Stimulation with insulin disrupts the interaction with STX4A, leading to increased levels of SLC2A4 at the plasma membrane. May also play a role in the regulation of insulin release by pancreatic beta cells after stimulation by glucose.[UniProtKB/Swiss-Prot Function]