

Product datasheet for **MC218962**

Stxbp4 (NM_011505) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stxbp4 (NM_011505) 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



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Fully Sequenced ORF: >MC218962 representing NM_011505
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGATGGTACAGCTTCTGCCCGATCATCCAGCCACTTGACAGGGATCCTGCCTTTGGGTGATTA
CAGTTACTAAGGAAACAGGTCTAGGTCTGAAGATCCTAGGCGGAATTAACAGGAATGAAGGACCGCTGGT
GTATATTCACGAAGTCATTCTGAGGAGTACTGTTACAAGGATGGACGTTTGAAGCCAGGAGATCAACTT
GTCTCAATAAACAAGGAATCTATGATTGGTGTATCATTGAAGAAGCAAAAAGCATAATTACCAGAGCCA
AGTTGAGGTCAGAATCTCCCTGGGAGATAGCATTATCAGACAAAAGTCTTACTGTGGCCATCCAGGAAA
TATTTGCTGTCCATCCCCACAAGTGTGAGAAGACTGTGGACCTCAAACCTCAACATTTACTCTTCTTTCC
TCTCCCTCTGAAACACTACTTCAAAGACTTCATCCACTCCCAGACTCAGGACTCCACTTTCCCTTCTT
GTAAGCAATTCAGACAAAACCTGAACACGATAAAACAGAACATAGTCCAATTACTTCTTTGGACAACAG
CCCTGCAGATACATCTAATGCAGACATTGCTCCAGCCTGGACTGATGATGATTCTGGACCACAAGGAAAG
ATTTCCCTAAATCCTTCTGTTCCGCTTAAGGCAGAGAAACTGAAATGGCTCTCAATTACCTCGGTATAC
AGCCAACAAGGAACAACGTGAAGCCCTGAGAGAGCAAGTCCAGGCCGACTCAAAGGGGACTGTGTCTTT
TGGAGATTTGCTCCAGGTTGCCAGAAGTTGTTTTGCTTGCAAGTGGATGAAGTAAATGTTGGTGTCCAT
GAAATCCCAGCATCTTAGACTCACAGCTTCTCCCTGTGATTCTCTAGAAGCAGATGAAGTGGGAAAAC
TTAGACAAGAAAGAAACGCTGCTCTAGAGGAACGGAATGTGCTTAAGGAGAAGTTACTGGAATCAGAAAA
GCACAGGAAACAATTGATAGAAGAACTCCAGAATGTGAAGCAGGAAGCCAAAGCTGTAGCTGAGGAAACC
CGAGCTCTGCGAAGCCGATTTCATCTCGCAGAAGCTGCACAGCGCAGGCACACGGGATGGAAATGGATT
ATGAAGAGGTGATCCGTCTGCTAGAGGCTGAGGTCTCAGAACTAAAGGCTCAGCTCGCTGATTATTCTGA
CCAAAATAAAGAAAGTGTCCAGGACTTGAGAAAAAGAGTCACCGTTCTTACTGCCAATTGCGAAAATCA
GAAATGGCTCGGAAAGCATTCAAGGCGTCCACTGAAAGGCTCCTTGGTTTCATAGAGGCTATTCAAGAAG
TTCTTTGGATAGTTCTGCTCCTTTATCAACTTTAAGTAAAAGAAGAGCTGTGCTCGCATCTCAGACTTC
GCTTCCACTGCTGGCAAGGAACGGACGCAGCTTCCCAGCAACCCTGCTTCTGGAATCCAAGGAGCTTGTC
AGATCTGTCCGTGCCATACTTGATATGGACTGCTTACCTTACGGGTGGGAGGAAGCTTACACAGCAGATG
GAATCAAGTACTTCATCAACCACGTGACACAGACCACGTCCTGGATCCACCCCGTATGAGCGCCCTGAA
CCTGCTCTGTGCAGAGGAGAGTGAAGAGGACTGTCCAGAGAGCTAACAGACCCGAAAAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_011505

Insert Size: 1674 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_011505.2](#), [NP_035635.1](#)

RefSeq Size: 6035 bp

RefSeq ORF: 1674 bp

Locus ID: 20913

UniProt ID: [Q9WV89](#)

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]