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Product datasheet for MC223661

Stxbp5l (NM_001114613) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stxbp5l (NM_001114613) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stxbp5l
Synonyms:	9430094L02; A830015P08Rik; LLGL4; T2dm1; t2md1; tomosyn-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC223661 representing NM_001114613
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGAAGTTTAATTTCCGAAAAGTTTTGGATGGCTTAACTGCCTCTTCCCCTGGCAGTGGTAGCAGCA
GTGGCAGTAACAGTGGTGGGGCTGGAAGTGGCTCTGTCCATCCAGGAGGGACTGCAGGGCTTCCGAGAGA
GGAAATTCAGGAAAGCCTGACTTCAGACTATTTCCAGATTTGCAAGACAGTTCGGCATGGGTTTCCTTAT
CAGCCCACAGCATTGGCCTTTGATCCAGTCCAGAAAATCTTAGCTATTGGAACAAGAACAGGTGCTATAC
GAATACTTGGGAGGCCTGGTGTTGACTGTTACTGCCAACATGAAAGTGGTGCGGCTGTCTTGCAGCTCCA
ATTCCTCATCAATGAGGGCGCGTTGGTCAGTGCGAGTTCAGATGACACGCTTCATTTGTGGAATCTGAGA
CAGAAAAGGCCGGCCATTCTCCATTCTCTTAAATTTAACAGAGAACGAATTACTTACTGTCATCTACCTT
TCCAGAGTAAATGGCTCTATGTTGGAACAGAAAGAGGAAATACACATATTGTAAATATTGAATCTTTCAT
TCTTTCTGGATATGTCATCATGTGGAACAAGGCAATTGAACTCTCCACCAAGACTCATCCAGGCCCAGTT
GTACATTTAAGTGATAGCCCAAGAGATGAAGGAAAACTGTTAATAGGTTACGAGAATGGCACTGTGGTGT
TCTGGGACTTGAAATCTAAAAGAGCAGAACTGAGAGTTTATTATGATGAGGCTATTCATTCAATTGATTG
GCATCATGAGGGCAAACAATTCATGTGCAGCCACTCAGATGGTAGCTTGACTTTATGGAACCTGAAAAGC
CCAAGCCGCCCTTTCCAAACCACAGTCCCACATGGAAAAAGTCAAAGAGAAGGAAGAAAGTCTGAGTCTT
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GCTGTCATATGACAAAGCTTGCAGAAGACCAAGTTTAACCATCATGCATGGGAAAGCAATTACAGTGCTT
GAGATGGATCATCCTATTGTTGAGTTTCTAACGTTATGTGAAACGCCCTATCCAAATGAATTTCAAGAAC
CCTATGCTGTTGCTGTACTTCTAGAGAAAGATCTCATCGTAGTTGACCTGACACAAACCAATTTTCCAAT
CTTTGAAAATCCATATCCAATGGACATTCATGAGTCACCTGTTACATGCACAGCATATTTTGCCGATTGC
CCTCCAGATTTGATTCTAGTACTCTATTCTATAGGAGTCAAGCATAAAAAACAAGGATACAGTAATAAGG
AATGGCCAGTCAGTGGAGGAGCTTGGAACCTCGGAGCACAAACTTATCCAGAAATTATTATTACTGGTCA
TGCTGATGGAACAATAAAATTTTGGGATGCTTCAGCAATGACACTGCAGATGTTGTACAAGCTAAAAACT
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TCCAAAGTGTTTGAAAAGCAGAAGGCAGGAGAAGGCAAACAGACGTGTGAACTTGTAGAGGAAGATCCCT
TTGCTGTGCAGATGATCTACTGGTGTCCAGAGAGCAGAATATTTTGTGTCTCTGGAGTCTCTGCATATGT
CATAATTTATAAATTCAGCAGACATGAAGTCACAACAGAAATAGTGTCACTAGAGGTACGACTTCAGTGT
GATGTTGAAGACATTATTACTCCTGAGCCAGAAACAAGCCCTCCATTTCCAGATCTCTCCTCTCAACTTC
CTCCTTCAAGGAGTCTTTCTGGAAGCACTAATACTGTGTCTAGTGAAGGAGTGACAAAGGACAGCATCCC
GTGCCTCAGTGTTAAAACACGGCCAGTACGAATGCCGCCGGGCTATCAAGCAGATCTTGTTATTCAGTTG
GTGTGGGTAGATGGTGAGCCTCCTCAGCAAATTACCAGCCTTTCTATAAGCTCAGCATATGGAATAGTGG
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CATTGACCTCTATAGATCAAGTGACCTGTACCAGCGACAGCCCCGGTCTCCTCGAAAGAACAGGCAGTTC
ATTGCAGACAACTTTTGCATGCGTGGGCTGTCTAACTTTTATCCTGATTTAACGAAACGGATCCGTACTT
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CTCAGAAACCCGAGAGAATTCCTATAATCGCTCCAGGAGCTCTAGCATCTCCAGTATTGACAAAGATTCT
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AAGGTTTACAGAGCCGGTGGTGGTATTGCCAAGTGGTACATTCCTCTCACTGAAAGGAGCAGTGCTAACA
TTTTCCTGCATGGACAGAACTGGCAGTTTAATGCAGCCTCCATACGAAGTATGGAGAGATCCAAACAACA
CAGATGAAAATGAAAAAACCTGGAAAAGGAAATTGGTCATGAACTACTCGTCTTCATCCCAAGAGATGGG
AGACCATCAGTATACGATAATCTGCTCAGAAAAACAAGCCAAAGTCTTCTCACTGCCTTCCCAGACCTGC
CTTTATGTTCACAACATCACCGAGACGTCGTTCATATTGCAAGCAGATGTGGTGGTCATGTGCAACAGTG
CCTGCCTGGCCTGCTTTTGTGCAAATGGGCATATCATGATAATGAGCTTACCTAGTCTTCGCCCAATGTT
GGATGTTAATTATTTGCCACTGACAGACATGAGAATAGCACGGACATTTTGTTTTACTAATGAAGGACAG
GCATTATACCTCGTCTCTCCCACTGAAATTCAACGGTTAACATATAGCCAAGAAATGTGTGATAATATTC
AGGACATGTTAGGCGATTTGTTTACTCCCATAGAGACACCAGAAGCCCAAAATAGAGGCTTTCTCAAGGG
ACTATTTGGTGGAAGTGGACAGACATTCGACAGAGAAGAACTCTTCGGGGAAGCCTCAGCAGGAAAAGCA
TCCCGAAGCCTCGCACAGCACATCCCTGGGCCAGGTAGTATAGAAGGGATGAAAGGTGCTGCTGGCGGGG
TGATGGGAGAGCTGACCCGAGCCCGGATTGCACTTGATGAGAGAGGGCAGCGTCTGGGCGAGCTGGAAGA
GAAGACTGCGGGCATGATGACCAGCGCAGAAGCGTTTTCCAAGCACGCACATGAGCTAATGCTGAAGTAT
AAGGATAAGAAGTGGTACCAGTTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001114613

Insert Size: 3387 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).

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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_001114613.1, NP_001108085.1
RefSeq Size:	11893 bp
RefSeq ORF:	3387 bp
Locus ID:	207227
UniProt ID:	Q5DQR4
Cytogenetics:	16 B3
Gene Summary:	Plays a role in vesicle trafficking and exocytosis inhibition (PubMed:25002582). In pancreatic beta-cells, inhibits insulin secretion probably by interacting with and regulating STX1A and STX4, key t-SNARE proteins involved in the fusion of insulin granules to the plasma membrane (PubMed:21998599). Plays also a role in neurotransmitter release by inhibiting basal acetylcholine release from axon terminals and by preventing synaptic fatigue upon repetitive stimulation (PubMed:24744148). Promotes as well axonal outgrowth (By similarity). [UniProtKB/Swiss-Prot Function]

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