

Product datasheet for RN200287

Stxbp5 (NM_178345) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stxbp5 (NM_178345) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Stxbp5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200287 representing NM_178345 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGAAATCAACATCAGGAAGGTGCTGGACGGCTGACCGCAGGCTCGTCCTCGGCCTCGCAACAGC
AGCAACAGCAGCAGCACCCGCCTGGGAACCGGGAGCCCGAGATCCAGGAGACGCTCCAGTCCGAGCACTT
CCAACCTGCAAGACTGTTCCGCATGGATTTCCCTATCAGCCCTCAGCCCTGGCCTTTGATCCCGTTCAG
AAGATCCTGGCGGTAGGAACCCAGACTGGTGTCTTAAGGCTCTTTGGTCGTCAGGGGTGAATGTTATT
GCCAGCACGACAGCGGAGCGGCAGTGATTCAACTCCAGTTCCTGATTAATGAGGGAGCCCTTGTGAGTGC
CTTGGCTGATGACACCTTACACTTGTGGAATTTACGTCAGAAAAGGCCTGCTGTGCTACATTCACTCAAA
TTTTGCAGAGAAAAGGTTACATTTTCCATCTGCCTTTCCAGAGTAAGTGGCTCTATGTGGGCACGGAAC
GAGGTAATATACATATTGTCAATGTGGAGTCTTACACTCTCAGGCTACGTCATTATGTGGAATAAAGC
CATCGAAGTGCATCTAAATCTCACCCAGGACCTGTTGTCCATATAAGTGATAATCCCATGGACGAGGGG
AAGCTTCTGATTGGCTTTGAATCTGGAACAGTAGTCTTATGGGACCTTAAGTCAAAGAAGGCTGACTACA
GATACACTTACGACGAGGCTATTCACTCTGTGGCTTGGCATCATGAAGGAAAACAGTTTATTTGCAGTCA
TTCTGATGGTACATTGACCATATGGAATGTGAGGTCCCTACTAAACCTGTACAGACCATCACTCCTCAC
GGAAAACAGTTAAAGGATGGGAAGAAACCCGAGCCGTGCAAGCCTATCCTCAAGGTGGAGTTCAAGACAA
CAAGATCGGGGAAACCTTTTATTATTTTGTGCGGAGGCTTATCATATGATACCGTGGGAAGAAGACCTTG
CTTAACAGTGTGATGGGAAAAGCAGGCAGTGTGAAATGGACTATTCAATTGTGACTTTCTCACA
CTCTGTGAAACGCCATATCCAAATGATTTTTCAGGAGCCGATGCTGTGGTGTCTCCTGGAGAAGGATT
TAGTGTGATAGACCTGGCACAGAATGGATACCCTATATTTGAGAATCCCTACCTTTGAGTATACCGA
GTCCCCGTGTTACATGTTGTGAATATTTTGTGATTGTCTGTGGACCTTATTCCTGCACTTTATTTCTGTT
GGAGCTAGACAGAAACGTCAGGTTACAGCAAAAAGGAATGGCCATCAATGGTGTAAATGGGGCTTGG
GTGCTCAAAGTTACCCAGAAATAATTATTACAGGGCATGCTGATGGCTCAATTAATTTCTGGGATGCTTC
TGCAATAACTCTACAAGTACTGTATAAATTAATAACATCTAAAAGTATTTGAAAAGTCAAGAAATAAAGAT
GACAGACAGAACCCGACATTGTAGATGAAGATCCATATGCCATTGAGTATCTCCTGGTCCCCAGAGA
GCAGAATGCTGTGCATAGCCGAGTGTGCGCTCATGTCATCATTTATAGATTGAGCAAGCAGGAAGTGGT
TACAGAAGTCATCCCGATGCTTGAAGTCCGACTGTTATATGAAATAAATGATGTGAAACCGCGGAGGT



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GAGCAGCCACCCCTTTGTCCACTCCCCTGGGCGAGCTCCACCTCTCAGCCATCCCCCTCAGTCTCATC
 CGTCTACCAGCAGCAGCTCATCGGACGGCTTCGAGATAATGTACCGTGTAAAAGTAAAACTCACC
 ACTTAAACAGTCTCCCGCTATCAAACAGAGCTAGTCATCCAGTTGGTGTGGGTGGGAGAACCCCG
 CAGCAGATCACCAGCCTAGCACTCAACTCTTCTACGGATTGGTGGTTTTCGGCAACTCCAATGGCATTG
 CAATGGTTGACTACCTCCAGAAAGCAGTGTCTCAACCTCAGCACCATTGAACTATACGGCTCAAATGA
 TCCTTATCGGAGAGAACCAGGTCGCCCCGAAATCTCGACAGCCTTCAGGAGCGGGCTGTGTGATATT
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 CAGACGATGAACAAAAAGTGAATAATTTATAGAAAAGGTGAAGACCCAAAGCAGAAAGTTTTCCAAGAT
 GGTAGCCAGTGATCTAGCAAAGATGTCAAGGAAATTAAGCTTGCCAACTGATCTAAAGCCTGATTTAGAT
 GTGAAAGACAATTCCTTCAGCAGATCTCGGAGTTCAAGTGTGACCAGCATTGACAAAGAGTCCCGGGAAG
 CCATTTCTGCTTTCATTTCTGTGAGACTTTCACAAGGAAGGCAGACTCCTCCCCCTCCCGTGCCTGTG
 GGTGGGAACACAGTGGAACTGCCTTTGTTCATCAGCTGAATCTCCCCCTGGGGCTGAGCAGAGACTG
 CTTCAGCCAGTGATTGTCTCCAAGCGTACTATATTGAGGTTAAAAGGTGCGATCTTGAGAATGGCAT
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 AAAAGACGAAAAGGAGAAATTGAAAAGCGGCGACCTGTCTCAGTGTCCCCCTCCTTCTCAGGAAATT
 AGTGAAAACAGTACGCAGTGATATGTTCTGAAAAGCAAGCAAAGGTCTCTCACTGCCAACCCAGAAGT
 GTGCATACAAGCAGAATCACTGAGACGTCCTTCGTGCTCCGTGGAGACATTGTGCGCCCTGAGTAACAG
 TGTCTGCCTCGCCTGCTTCTGTGCCAACGGCCACATTATGACTTTCAGTTTGCCGAGCTTGAGGCCTCTG
 CTGGATGTCTACTACCTGCCCTTACCAACATGCGGATAGCCAGGACATTCTGCTTCGCCAACAGTGGGC
 AAGCCTTATACCTTGTTCACCTACCGAAATCCAGAGACTCACCTACAGTCAGGAGACGTGTGAAAACCT
 TCAGGAGATGCTTGGTGAAGTCTTACGCTGTAGAAACACCAGAAGCACCACAGAGGGTTCTTCAA
 GGCTTATTTGGAGTGGTGCACAATCTCTTGATAGAGAAGAACTGTTGGAGAGTCATCCTCGGGAAGG
 CGTCAAGGAGCCTTGACAGCACATCCCGGCTCTGGCGGATCGAAGGTGTGAAGGGAGCCGCTCGGG
 AGTGGTGGGAGAACTGGCCGAGCCAGGCTGGCCCTCGACGAAAAGAGGACAGAAGCTCAGCGACTTGGAA
 GAGAGGACTGCAGCCATGATGTCCAGTGCAGACTCGTTTTCCAACATGCTCATGAGATGATGCTGAAAT
 ACAAGATAAGAAGTGGTACCAGTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_178345
- Insert Size:** 3459 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_178345.1](#), [NP_848035.1](#)

RefSeq Size:	3459 bp
RefSeq ORF:	3459 bp
Locus ID:	81022
UniProt ID:	Q9WU70
Cytogenetics:	1p13
Gene Summary:	syntaxin-binding protein implicated in the formation of complexes involved in neurotransmitter release [RGD, Feb 2006]