

Product datasheet for **RN200288**

Stxbp5 (NM_178346) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stxbp5 (NM_178346) 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:	>RN200288 representing NM_178346 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGAAATCAACATCAGGAAGGTGCTGGACGGCTGACCGCAGGCTCGTCCTCGGCCTCGCAACAGC
AGCAACAGCAGCAGCACCCGCTGGGAACCGGGAGCCGAGATCCAGGAGACGCTCCAGTCCGAGCACTT
CCAACCTGCAAGACTGTTCCGATGGATTTCCCTATCAGCCCTCAGCCCTGGCCTTTGATCCCGTTCAG
AAGATCCTGGCGGTAGGAACCCAGACTGGTCTTTAAGGCTCTTTGGTCGTCAGGGGTGAATGTTATT
GCCAGCACGACAGCGGAGCGGCAGTGATTCAACTCCAGTTCCTGATTAATGAGGGAGCCCTGTGAGTGC
CTTGGCTGATGACACCTTACACTTGTGGAATTTACGTCAGAAAAGGCCTGCTGTGCTACATTCACTCAA
TTTTGCAGAGAAAGGTTACATTTGCCATCTGCCTTTCCAGAGTAAGTGGCTCTATGTGGGCACGGAAC
GAGGTAATATACATATTGTCAATGTGGAGTCTTACACTCTCAGGCTACGTCATTATGTGGAATAAAGC
CATCGAAGTGCATCTAAATCTCACCCAGGACCTGTTGCCATATAAGTGATAATCCCATGGACGAGGGG
AAGCTTCTGATTGGCTTTGAATCTGGAACAGTAGTCTTATGGGACCTAAGTCAAAGAAGGCTGACTACA
GATACACTTACGACGAGGCTATTCACTCTGTGGCTTGGCATCATGAAGGAAAACAGTTTATTTGCAGTCA
TTCTGATGGTACATTGACCATATGGAATGTGAGGTCCCTACTAAACCTGTACAGACCATCACTCCTCAC
GGAAAACAGTTAAAGGATGGGAAGAAACCCGAGCCGTGCAAGCCTATCCTCAAGGTGGAGTTCAAGACAA
CAAGATCGGGGAACCTTTTATTATTTGTGCGGAGGCTTATCATATGATACCGTGGGAAGAAGACCTTG
CTTAACAGTGTGATGGGAAAAGCAGGCAGTGTGAAATGGACTATTCAATTGTGACTTTCTCACA
CTCTGTGAAACGCCATATCCAAATGATTTTCAGGAGCCGATGCTGTGGTGTTCCTGGAGAAGGATT
TAGTGTGATAGACCTGGCACAGAATGGATACCCTATATTTGAGAATCCCTACCTTTGAGTATACCGA
GTCCCCGTGTTACATGTTGTGAATATTTGCTGATTGCTGTGGACCTTATTCCTGCACTTTATTTCTGTT
GGAGCTAGACAGAAACGTCAGGTTACAGCAAAAAGGAATGGCCATCAATGGTGGTAATTGGGGCTTGG
GTGCTCAAAGTTACCCAGAAATAATTATTACAGGGCATGCTGATGGCTCAATTAATTCTGGGATGCTTC
TGCAATAACTCTACAAGTACTGTATAAATTAATAACATCTAAAAGTATTTGAAAAGTCAAGAAATAAAGAT
GACAGACAGAACCCGACATTGTAGATGAAGATCCATATGCCATTGAGTATCTCCTGGTCCCCAGAGA
GCAGAATGCTGTGCATAGCCGAGTGTGCGCTCATGTCATCATTTATAGATTGAGCAAGCAGGAAGTGGT
TACAGAAGTCATCCCGATGCTTGAAGTCCGACTGTTATATGAAATAAATGATGTGGAACCGCGGAGGT



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GAGCAGCCACCCCTTTGTCCACTCCCCTGGGCGAGCTCCACCTCTCAGCCATCCCCCTCAGTCTCATC
 CGTCTACCAGCAGCAGCTCATCGGACGGGCTTCGAGATAATGTACCGTGTAAAAGTAAAACTCACC
 ACTTAAACAGTCTCCCGCTATCAAACAGAGCTAGTCAATCCAGTTGGTGTGGGTGGGAGAACCCCG
 CAGCAGATCACCAGCCTAGCACTCAACTCTTCTACGGATTGGTGGTTTTCGGCAACTCCAATGGCATTG
 CAATGGTTGACTACCTCCAGAAAGCAGTGTCTCAACCTCAGCACCATTGAACTATACGGCTCAAATGA
 TCCTTATCGGAGAGAACCAGGTCGCCCCGAAATCTCGACAGCCTTCAGGAGCGGGCTGTGTGATATT
 ACCGAAGGAAGTGTGTCGCCAGAGATCGCTGCAAATCTCCGACTCCGATGTGAAAGACAATTCCTTCA
 GCAGATCTCGGAGTTCAAGTGTGACCAGCATTGACAAAGAGTCCCGGGAAGCCATTTCTGCTCTTCAATT
 CTGTGAGACTTTCAAGGAAGGAGACTCCTCCCCTCCCCTGCTGTGGGTGGGAACACAGTGGGA
 ACTGCCTTTGTATCACGCTGAATCTCCCCTGGGCTGAGCAGAGACTGCTTACGCCAGTGATTGTGT
 CTCCAAGCGTACTATATTGAGGTTAAAAGGTGCGATCTTGAGAATGGCATTCTGGATGCCGGGCTG
 CTTAATGCCACCTGCATACGAACCCTGGACAGAGCACAACGTTCTGAAGAAAAAGCAGAAAAGGAGAAA
 TTGAAAAAGCGGCGACCTGTCTCAGTGTCCCCTCCTTCTCAGGAAATAGTAAAACAGTACGCAG
 TGATATGTTCTGAAAAGCAAGCAAAGGTCATCTACTGCCAACCCAGAAGTGTGCATACAAGCAGAACAT
 CACTGAGACGTCCTTCGTGCTCCGTGGAGACATTGTGCCCTGAGTAACAGTGTCTGCCTGCCTGCTTC
 TGTGCCAACGGCCACATTATGACTTTCAGTTTGGCGAGCTTGAGGCTCTGCTGGATGTCTACTACCTGC
 CCCTTACCAACATGCGGATAGCCAGGACATTCTGCTTCGCCAACAGTGGGCAAGCCTTATACCTGTTTT
 ACCTACGAAATCCAGAGACTCACCTACAGTACAGGAGAGCTGTGAAAACCTTCAGGAGATGCTTGGTGA
 CTCTTACGCCTGTAGAAAACACCAGAAGCACCACAAACAGAGGGTCTTCAAAGGCTATTTGGAGTGGT
 CACAATCTTGTAGAGAAGAACTGTTTGGAGAGTATCCTCGGAAAGGCGTCAAGGAGCCTTGACA
 GCATCCCGGCTCGGCGGATCGAAGGTGTGAAGGGAGCCGCTCGGAGTGGTGGGAGAACTGGCC
 CGAGCCAGGCTGGCCCTCGACGAAAGAGGACAGAAGCTCAGCGACTTGAAGAGAGGACTGCAGCCATGA
 TGTCCAGTGCAGACTCGTTTTCCAAACATGCTCATGAGATGATGCTGAAATACAAAGATAAGAAGTGTA
 CCAGTTCGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_178346

Insert Size:

3300 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_178346.1, NP_848036.1

RefSeq Size:

3300 bp

RefSeq ORF: 3300 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]