

Product datasheet for **RR200289**

Stxbp5 (NM_030843) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stxbp5 (NM_030843) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Stxbp5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200289 representing NM_030843
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGAAATTCACATCAGGAAGGTGCTGGACGGCTGACCGCAGGCTCGTCCTCGGCCTCGCAACAGC
AGCAACAGCAGCAGCACCCGCTGGGAACCGGGAGCCCGAGATCCAGGAGACGCTCCAGTCCGAGCACTT
CCAACCTGCAAGACTGTTCCGCATGGATTTCCCTATCAGCCCTCAGCCCTGGCCTTTGATCCCGTTCAG
AAGATCCTGGCGGTAGGAACCCAGACTGGTCTTTAAGGCTCTTTGGTCGTCCAGGGGTGAATGTTATT
GCCAGCACGACAGCGGAGCGGCAGTGATTCAACTCCAGTTCCTGATTAATGAGGGAGCCCTGTGAGTGC
CTTGGCTGATGACACCTTACACTTGTGGAATTTACGTCAGAAAAGGCCTGCTGTGCTACATTCACTCAA
TTTTGCAGAGAAAGGTTACATTTTCCATCTGCCTTTCCAGAGTAAGTGGCTCTATGTGGGCACGGAAC
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CATCGAAGTGCATCTAAATCTCACCCAGGACCTGTTGTCCATATAAGTGATAATCCCATGGACGAGGGG
AAGCTTCTGATTGGCTTTGAATCTGGAACAGTAGTCTTATGGGACCTAAGTCAAAGAAGGCTGACTACA
GATACACTTACGACGAGGCTATTCACTCTGTGGCTTGGCATCATGAAGGAAAACAGTTTATTTGCAGTCA
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GCAGAATGCTGTGCATAGCCGAGTGTGCGCTCATGTCATCATTTATAGATTGAGCAAGCAGGAAGTGGT
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GAGCAGCCACCCCTTTGTCCACTCCCCTGGGCGAGCTCCACCTCTCAGCCATCCCCCTCAGTCTCATC
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 ACTTAAACAGTCTCCCGCTATCAAACAGAGCTAGTCAATCCAGTTGGTGTGGGTGGGAGAACCCCG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200289 representing NM_030843
 Red=Cloning site Green=Tags(s)

MRKFNIRKVL DGLTAGSSASQQQQQQHPPGNREPEIQETLQSEHFQLCKTVRHGFPYQPSALAFDPVQ
 KILAVGTQTGALRLFRPGVECYQHDSGAAVIQLQFLINEGALVSALADDTLHLWNLRQKRPVAVLHSLK
 FCRERVTFCHLPFQSKWLYVGTERRGNIHVNVSFTLSGYVIMWNKAIELSSKSHPGPVVHISDNPMDEG
 KLLIGFESGTVVLDLKSADYRYTYDEAIHVAWHHEGKQFICSHSDGTLTIWNVRSPTKPVQITIPH
 GKQLKDGKPEPCKPILKVEFKTTRSGEPFIIISGGLSYDTVGRRPCLTVMHGKSTAVLEMDYSIVDFLT
 LCETPYPNDFQEPYAVVLLLEKDLVLIDLAQNGYPIFENPYPLSIHESPVTCCEYFADCPVDLIPALYSV
 GARQKRQGYSKKEWPINGGNWGLGAQSYPEIIITGHADGSIKFDASAITLQVLKYLKTSKVFESRNDK
 DRQNTDIVDEDPYAIQIISWCPESRMLCIAGVSAHVIIYRFKQEVVTEVIPMLEVRLLYEINDVETPEG
 EQPPLSTPVGSSTSQPIPPQSHPTSSSSSDGLRDNVPLKVKNSPLKQSPGYQTELVIQLVWVGGEPP
 QQITSLALNSSYGLVVFNGNSGIAMVDYLQKAVLLNLSTIELYGSNDPYRREPRSPRKSQPSGAGLCDI
 TEGTVVPEDRCKSPTSAKMSRKLSPPTDLKPDLDVKDNSFSRSRSSSVTSIDKESREAI SALHFCETFT
 KADSSPSPCLWVGTTVGTAFVITLNLPLGPEQRLQPVIVSPSGTILRLKGAIRMAFLDAAGCLMPPAY
 EPWTEHNVPPEEKDEKEKLLKRRPVSVSPSSSQEISENQYAVICSEKQAKVISLPTQNCAYKQINITETSFV
 LRGDIVALSNSVCLACFCANGHIMTFSLPSLRPLLDVYYLPLTNMRIARTFCFANSQALYLVSPTEIQR
 LTYSQETCENLQEMLGELFTPVETPEAPNRGFFKGLFGGGAQSLDREELFGESSGKASRSLAQHIPGPG
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

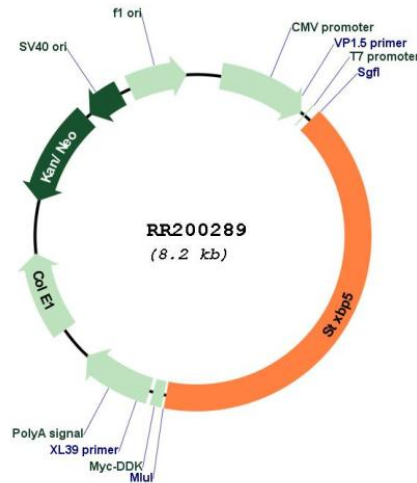
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_030843

ORF Size: 3348 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<ol style="list-style-type: none">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:	<u>NM_030843.2</u> , <u>NP_110470.1</u>
RefSeq Size:	3839 bp
RefSeq ORF:	3351 bp
Locus ID:	81022
UniProt ID:	<u>Q9WU70</u>
Cytogenetics:	1p13
MW:	123.6 kDa
Gene Summary:	syntaxin-binding protein implicated in the formation of complexes involved in neurotransmitter release [RGD, Feb 2006]