

Product datasheet for **RR201777**

Stxbp4 (NM_001107038) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stxbp4 (NM_001107038) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stxbp4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR201777 representing NM_001107038
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGGACCATTGGTGTATATTCACGAAGTCACTCCTGGAGCGACTGTTACAAGTGGGAATCTCCGT
 TGGAGATAGCATTATCAGACAGAAGTCTTACTGTGGTCATCCAGGAAACATTTGCTGTCAGTCCCACC
 AGTGTCAGAAGACTGTGAACCTCAAACCTCAGCATTAACTCTTCTTCTCCCTCCCGCTGGAACTACTT
 CCAAAGACTTCATCCACTCCCAGGACTCAGGACTCCATTTTACCCTCCTGTACAGTAATTCAGACTCAAC
 CTGAGCACAGTCAAGCAGGGCTTGTCCAGTTCCTTCTTTGAACAACCGCCCTACAGACACATCCAATGC
 AGACATTGCTCCAGCCTGGACTGATGACGCTTCTGGACCACAAGGAAAGATTTCCCTAAATCCTTCTGCT
 CGCCTTAAAGCAGAGAACTGGAATGGCTCTCAATTACCTCGGTATACAGCCAACAAAGGAACAGCATG
 AAGCCCTGAGACAGCAAGTCCAGGCCGACTCAGAGGGGACTGTGTCTTTGGGGATTTCTCCAGGTTGC
 CAGAAATTTGTTCTGCTGCAGTTGGATGAAGTAAATGTTGGTGACCATGAACCTCCAGCGTCTGGAC
 TCACAGCTTCTCCCTGTGGTTCTCTAGAAGCAGATGAAGTGGGAAGACTGAGACAAGAAAGAAATGCTG
 CTCTGGAAGAACGGGATGCGCTTAAGGAGAAATTAAGTCAATCAGAGAAGCACAGGAAACAGTTGATAGA
 AGAACTCCAGAATGTGAAACAGGAAGCCAAAGCCGTAGCCGAGGAAACACGAGCTCTGCGAAGCCGGATT
 CATCTTGCCGAAGCTGCACAGAGGCAGGCACGTGGGATGGAAATGGATTATGAAGAGGTGATCCGCTGC
 TAGAGGCTGAGGTCTCAGAACTAAAGGCCCGGCTCGCTGATTATCTGACCAAAATAAGAAAGTGTCCA
 AGACTTGAGAAAGAGAGTACAGTTCCTGACTGCCAATGCGAAAATCAGAAATGGCTCGGAAAACATTT
 AAGTCATCCACTGAAAGGCTCCTTGTTTTGTAGAGGCTATTCAAGAAGTACTTTTGGACAGTTGTGCTC
 CTTTATAAATTAAGTAAAAGAGAGCTGTGCTTGCCTCCTCAGACCTCGCTTCCGCTGCTGGGAAGGAA
 CGGACGTAACCTCCAGCACCCCTGCTTCTGGAATCCAAGGAACCTCTTAGGTCTGTCCGTGCCGTA
 GATATGGACTGCTTACCTTACGGGTGGGAGGAAGCTTACACAGCAGATGGGATCAAGTACTTCATCAACC
 ATGTGACACAGACCAGTCTGGATCCACCCATGATGAGTGTCTGAACCTGTCTGCGCAGAGGAGAG
 TGAAGAGGACTGTCCAGAGAACTAAGGGAACCGAAAAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201777 representing NM_001107038
 Red=Cloning site Green=Tags(s)

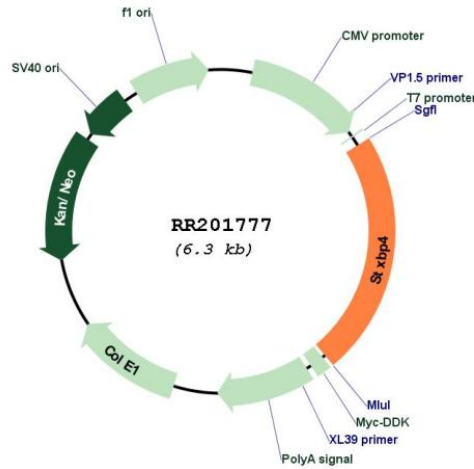
MKDHWCIFTKSLLEATVTRWESPLEIAFIRQKSYCGHPGNICQSPVSEDCEPQTSFANLLSSPAGTLL
 PKTSSTPRTQDSILPSCVTIQTQPEHSQAGLAPVPSLNNRPTDTSNADIAPAWTDDASGPQGKISLNPSA
 RLKAEKLEMALNYLGIQPTKEQHEALRQQVQADSEGTVSFGDFVQVARNLFLQLLDEVNVDHELPSVLD
 SPLLPCGSLEADEVGRRLRQERNAALEERDALKEKLESEKHKRQLIEELQNVKQEAKAVAEETRALRSRI
 HLAEEAQRQARGMEMDYEEVIRLLEAEVSELKARLADYSQNKESVQDLRKRVTVLDQRLKSEMARKTF
 KSTERLLRFVEAIQEVLLDSCAPLSNLSERRAVLASQTSPLLLGRNRFNFPAPLLESKELLRSRAVL
 DMDCLPYGWEEAYTADGIKYFINHVTQTTSWIHPMMSVLNLSCAEESEEDCPRELREPKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001107038

ORF Size: 1440 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:

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_001107038.1](#), [NP_001100508.1](#)

RefSeq Size: 2292 bp

RefSeq ORF: 1443 bp

Locus ID: 303443

Cytogenetics: 10q26

MW: 53.8 kDa