

## Product datasheet for RC209598

### Amisyn (STXBP6) (NM\_014178) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Amisyn (STXBP6) (NM\_014178) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Amisyn  
**Synonyms:** amisyn; HSPC156  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC209598 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGTGCCAAATCTGCTATCAGCAAGGAAATTTTGCACCTCTTGATGAAAGGATGCTGGGAGCTGTCC  
 AAGTCAAGAGGAGGACAAAGAAAAGATTCTTTCTTGGCAACTGGAGGTCAAGGCGAATATTTAACTTA  
 TATCTGCCTGTCAGTGACAAACAAGAAACCCACACAGGCGTCCATCACAAGGTCAAACAGTTTGAAGGC  
 TCCACATCATTTGTTGCGAGATCACAGTGGATGCTCGAGCAGCTTCGCCAGGTTAATGGTATCGATCCTA  
 ATGGGGATTCGGCAGAGTTTGATTTGTTGTTTAAAAATGCTTTTGACCAGTGGGTAGCCAGCACAGCGTC  
 AGAAAAATGCACCTTCTCCAGATCCTCCACCATACCTGCCAGAGGTACCTCACGGACAGGAAGCCAGAG  
 TTTATTAAGTCCAATCCAAAATTATGGGAGGAAACAGCATCCTCCATTAGCTGCTGACAGCGTGACCA  
 GCGCAGTGCAGAAAGCAAGCCAGGCCTTGAATGAGCGTGGAGAGCGATTAGGCCGAGCAGAGGAGAAGAC  
 AGAAGACCTGAAGAACAGCGCCAGCAGTTTGCAGAACTGCGCACAAAGCTTGCCATGAAGCACAAATGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC209598 protein sequence  
 Red=Cloning site Green=Tags(s)

MSAKSAISKEIFAPLDERMLGAVQVRRRTKKKIPFLATGGQGEYLTYICLSVTNKKPTQASITKVQFEG  
 STSFVRRSQWMLEQLRQVNGIDPNGDSAEFDLLFENAFDQWVASTASEKCTFFQILHHTCQRYLTDKPE  
 FINCQSKIMGGNSILHSAADSVTSVAVQKASQALNERGERLGRAEEKTEDLKNSAQQAETAHKLAMKHKC

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**



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**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6360\\_g10.zip](https://cdn.origene.com/chromatograms/mk6360_g10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_014178

**ORF Size:** 630 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\\_014178.7](#)

**RefSeq Size:** 1970 bp

**RefSeq ORF:** 633 bp

**Locus ID:** 29091

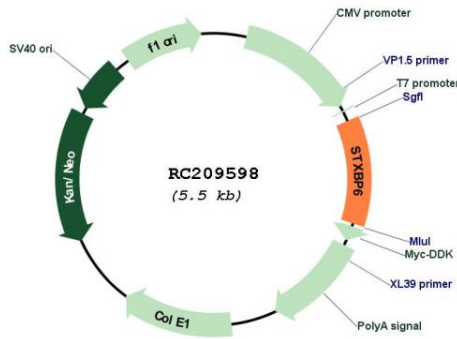
UniProt ID: [Q8NFX7](#)

Cytogenetics: 14q12

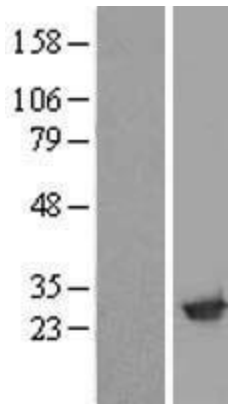
MW: 23.6 kDa

Gene Summary: STXBP6 binds components of the SNARE complex (see MIM 603215) and may be involved in regulating SNARE complex formation (Scales et al., 2002 [PubMed 12145319]).[supplied by OMIM, Mar 2008]

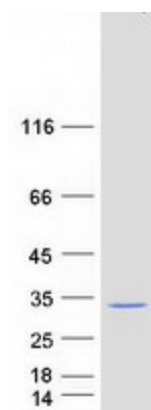
**Product images:**



Circular map for RC209598



Western blot validation of overexpression lysate (Cat# [LY415452]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209598 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified STXBP6 protein (Cat# [TP309598]). The protein was produced from HEK293T cells transfected with STXBP6 cDNA clone (Cat# RC209598) using MegaTran 2.0 (Cat# [TT210002]).