

Product datasheet for **SC115123**

Amisyn (STXBP6) (NM_014178) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amisyn (STXBP6) (NM_014178) Human Untagged Clone
Tag:	Tag Free
Symbol:	Amisyn
Synonyms:	amisyn; HSPC156
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115123 sequence for NM_014178 edited (data generated by NextGen Sequencing)

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ATGAGTGCCAAATCTGCTATCAGCAAGGAAATTTTGCACCTCTTGATGAAAGGATGCTG
GGAGCTGTCCAAGTCAAGAGGAGGACAAAGAAAAGATTCTTTCTTGGCAACTGGAGGT
CAAGGCGAATATTTAACTTATATCTGCCTGTCAAGTACAAACAAGAAACCCACACAGGCG
TCCATCACAAGGTCAAACAGTTTGAAGGCTCCACATCATTTGTTTCGGAGATCACAGTGG
ATGCTCGAGCAGCTTCGCCAGGTTAATGGTATCGATCCTAATGGGGATTCGGCAGAGTTT
GATTTGTTGTTTAAAAATGCTTTTGACCAGTGGGTAGCCAGCACAGCGTCAGAAAAATGC
ACCTTCTCCAGATCCTCCACCATACCTGCCAGAGGTACCTCACGGACAGGAAGCCAGAG
TTTATTAAGTCCAATCCAAAATTATGGGAGGAAACAGCATCCTCCATTCAGCTGCTGAC
AGCGTGACCAGCGCAGTGCAGAAGGCAAGCCAGGCCTTGAATGAGCGTGGAGAGCGATTA
GGCCGAGCAGAGGAGAAGACAGAAGACCTGAAGAACAGCGCCAGCAGTTTGCAGAAACT
GCGCACAAAGCTTGCCATGAAGCACAAATGTTGA
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Clone variation with respect to NM_014178.6



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014178 unedited CAAATTTGTATACGACTCATATAGGCGGCNCGGATTTCGGCACGAGGGGCGAGCCAGCAC CCGGGCCGGCTAAGCCTTGTCCGGAGCCCGGAGCCCGCGGGGCGAGCCCCCGGGGAG GAGCCTCGTGCTCTGGGACGCGTGCCGCGCACTGGCACGGCAGGGGCGGAGCCAGGCTG CACGATTCAGTGCCTGTCTCACTTGTCTACAATGAGTGCCAAATCTGCTATCAGC AAGGAAATTTTTGCACCTTTGATGAAAGGATGCTGGGAGCTGCCAAGTCAAGAGGAGG ACAAAGAAAAAGATTCTTTCTTGCACTGGAGTCAAGGCGAATATTTAACTTATATC TGCTGTCAAGTACAAACAAGAAACCCACACAGGCGTCCATCACAAAGGTCAAACAGTTT GAAGGCTCCACATCATTGTTCGGAGATCACAGTGGATGCTCGAGCAGCTTCGCCAGGTT AATGGTATCGATCCTAATGGGGATTTCGGCAGAGTTTGAATTTGTTTAAAAATGCTTTT GACCAGTGGGTAGCCAGCACAGCGTCAGAAAAATGCACCTTCTCCAGATCCTCCACCAT ACCTGCCAGAGGTACCTCACGGACAGGAAGCCAGAGTTTATTAAGTCCAAATCCAAAATT ATGGGAGGAAACAGCATCTCCATTCAGCTGCTGACAGCGTGACCAGCGCAGTGCAGAAG GCAAGCCAGGCCCTGAATGAGCGTGGAGAGCGATTANGCCGAGCAGAGGAGAAGACAGAA AGACCTGAGAACAGCGCCAGCAGTTTGCAGAACTGCGCACAAGCTTGCCATGAAGCAC ANATGTTGAGAACTGGCTATNCTGGTGACTCTTCTTAGAGAACTGANAGTTTNGTTCAG CAGTTTTACAAGAATCAGACCTCGCTGCTTTTTTNCATATAGACCTANAGAGANTNN TGTTTTCTCTCNAAGTATGGAAGAAAGGNTGTTGCTTTTACTTCC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014178 unedited NNNNNAATTACTGAGNACCGGNNCCGCATTCNANGATCGGATTTTTTTTTTTTTTTTTT TGAACGCTGGTGTGGTTCATGCAAAAGATACTATGCAAGGAGCAAAATCTAAGACTGCT GTTTTTCCCAATAAATCAATTGTTTTCCACAATGTAGAATTTAATCTTCAAATTAAGT GTAGCTAGGACAGTGAGTGAAACTAATCACTGCTTGACTTTTATTTTCATCTAGGAAAA TAACATCTGATGTACCACATTAATAATGCCTTCCTGCTTAATATCAGAGAAAAAATACA TGTTGCCAGTTTACTGAGCAGCGAGTTTATCATTGGTCCAAATTTATATTTCAAACACTAC AAAAAATTTTTTAATAAGAAAAACATATTCAAACATACATATACACACATACACACA GTGGGAGGAGGCAAAAACCCAAATGAAGCTGATGCTATTGTAGCATTTATTAGCAAGAT CATTAGGAAATGTAATAATGCAACACCCTTTCTTTTACATTAACATCTGAAAAGAAAA ACAAAAACCACTAAGTGTCCAAATATTGAAAAAAGAAGCAAGCGGAGGTCCTGAAT TCTTGTAATAAAGTCTGAACAACTCTTCAGTTTCTCTTAAGAAGAGTACCAGGATAGG CAGTTTCTCAACATTTGTGCTTCATGGCAAGCTTGCGCAAGTTTCTGCAAACTGCTGGG CGCTGTTCTTCAGGTCTTCTGTCTTCTCCTCTGCTCGGCCTAATCGCTCTCCACGCTCAT TCAAGGCTGGCTTGCTTCTGCACTGCGCTGGTACGCTGTGAGCAGCTGAATGGGAGA TGCTGTTTCTCCATAATTTGGATTGGCAGTTAATAAACTCTGGCTTCTGCTCCCGT AGTACCTCTGGCAGTATGTN</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_014178
Insert Size:	1500 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_014178.6](#), [NP_054897.4](#)

RefSeq Size: 1970 bp

RefSeq ORF: 633 bp

Locus ID: 29091

UniProt ID: [Q8NFX7](#)

Cytogenetics: 14q12

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]

Transcript Variant: This variant (1) differs in the 5' UTR and 5' coding region, compared to variant 4 and results in an isoform with a shorter N-terminus, compared to isoform 2.

Variants 1, 2, 3, 5, 6, and 7 encode the same protein.