

Product datasheet for **SC105193**

Syntabulin (SYBU) (AK055246) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syntabulin (SYBU) (AK055246) Human Untagged Clone
Tag:	Tag Free
Symbol:	Syntabulin
Synonyms:	GOLSYN; OCSYN; SNPHL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK055246, the custom clone sequence may differ by one or more nucleotides

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GCAGTGTGCTGGAGCTACTTCTGGAGCCGGGCAGCTGCAGGGCAGCGCTGGGGAAAAGACTGTTCTCTG
GCTACATAGCAGCCTGGCTTCTCCAAGCCGGAGGGAGCTGCGCTGACCACTGAAGGCCTTCTGATGCAA
CCCCTTCCAAGTAGAATCCATCGCAGCCTTTCAGATCCCGGAACCCAGAGGCTGTGTCGGTCTGACGCA
CTGGCTTGGCTGGGCTCCGGTGCCTCCTCTGGACGGCGCAGCGCGGGCGCAGGAGCCGGCGGGCAGC
GGCGCGATGGGGCCCTCCGCGAGAGCAAGGAGCACAGAGTGCAGCATCATGACAAGGAGATTTCTCGAA
GCCGAATCCCGGTTGATTCTTCGGCCCCATATGCCCAACAACAGCACAAAAGTGTCCCGAGCCTCTGA
GTCTCCTTTCTCTGAGGAAGAGAGCAGAGAGTTCAACCCAGCAGCTCTGGGCGCTCAGCGAGGACCGTT
AGCAGCAACAGCTTCTGCTCAGATGACACAGGCTGTCTAGCAGCCAGTCAGTGTCTCTGTGAAGACAC
CCTCAGATGCTGGAACAGCCCCATTGGCTTTTGGCCCTGGAAGTATGAAGGCTTACCAGAAAAGAAATG
CACGATTGGAATGGTGGTGAAGGAAGCATTAGTCTCTCGATATAAGAAGGAATCAAAGTCAGGCCTT
GTGAAACCAGGTAGTGAAGCTGATTTTAGCTCCTCGAGCAGCACAGGCAGCATTTCCGCTCTGAGTCC
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AGCTTCGTACACAAGCCTGGCAGCAGCCATCATCCCCGCGGGAAAAGGACCTTCTGTCCATGCTGTGC
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GCTCTACAAAATGAAGCGACTGTAGCCCCATCATGAGGCGTTCTGGAAGGTACATGTCTTGCAGTAAAA
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CACCTCAAACCAAGCTGAAGGAATCTGAGCGCCGACTCCATGAAAGGGAAAAGTAAAATCGTGGAGCTTA
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CGTCTGGAGCTGCTGCCATAGTCATGGGTGAGGAGGAGGAGTGTGGTGGTGGAGCGAGCCGTTTCAG
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CCCTACGCCAATGTGGATGCAGAAGTTCATGCAAACCGCCTCATGAGAGAGCTGGATTTTGCAGCCTGCG
TGGAAGAGAGGTTGGATGGTGTATCCCACTGGCTCGCGGGGGCGTCTGAGGCAGTACTGGAGCAGCAG
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TTACAATGTACTAACTTATTTGCTTATTATATATAGTGTGTTTATTGAAATTGTAACCACACACTTCAG
CATGATGAAAATAAAGATTAGTGTTCATTTAAATAAATGTTTTATCCTCCCAT
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5' Read Nucleotide Sequence:

>OriGene 5' read for AK055246 unedited
 TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGCGCACGTAGGTGCC
 TCCTCCTGGACAGCGCGATGGGGCCCTTCTGGGCGAGAAAGTGCCTCCTCCTGGACGGC
 GGCAGCGGCGGCGCAGGAGCCGGCGGGCAGCGGCGCGATGGGGCCCTCCGCGAGAGCA
 AGGAGCACAGAGTGCAGCATCATGACAAGGAGATTTCTCGAAGCCGAATCCCCGGTTGA
 TTCTTCGGCCCCATATGCCCAACAACAGCACAAAGTGTCCCAGCCTCTGAGTCTCCT
 TCTCTGAGGAAGAGAGCAGAGATTCAACCCAGCAGCTCTGGGCGCTCAGCGAGGACCG
 TTAGCAGCAACAGCTTCTGCTCAGATGACACAGGCTGTCCTAGCAGCCAGTCAGTGTCTC
 CTGTGAAGACACCCTCAGATGCTGGAAACAGCCCCATTGGCTTTTGCCTGGAAGTGATG
 AAGGCTTCACCAGAAAGAAATGCACGATTGGAATGGTTGGTGAAGGAAGCATTAGTCTCT
 CTCGATAAAGAAGGAATCAAAGTCAGGCCTTGTGAAACCAGGTAGTGAAGCTGATTTTA
 GCTCCTCGAGCAGCACAGGCAGCATTTCCGCTCCTGAGGTCCATATGTCGACTGCGGGAA
 GCAAGCGGTCTTCTTTCACGCAATCGAGGTCTCATGGGCGGAGTAATGGAGCTTCGT
 ACACAAGCCTGGCAGCAGCCCATATCCCCGGGAAAAGGACCTTCTGTCCATGCTGTG
 CANGAATCAGCTGAGCCCTGTCATATTCATCCCCAGTATGCACCTTCTTCCNCAGCAGTA
 GCAACTCAGGCTTCTACAAGGAGCGACTGTAGCCCATCATGGAGCGTNTGGAAGGTAC
 ATGTCTGCGTGAATCATGGGGTCAGCCCCCAACCCAAN

3' Read Nucleotide Sequence:

>OriGene 3' read for AK055246 unedited
 TGTCAATTTCCACATCANGTCTGTGTTAAAAACCTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTTTTTTTATAGGGGGGATAAAAACATTTTTTTAAAGGGGAACCT
 AATCTTTATTTTCATCATGCCGAAGGGGGGGTTACAATTTCCAATAAAACACTTTTTTTT
 AATAAGCAAAAATAATTTAGTCCCTTGTTAATTTTTGCCAGTTTCATCAATTAACAGTT
 AAAAACAACAAGCCATTTAAAACCTTTGGGGCTCCCTTTAGTAAAAAATTGGAACCCCTC
 AAATCTTATCAACCCCAAGTAAAACAGTAAAGAGCTTTTCAAGACTTTTTTAAACCAATT
 ACCCAAAAACCTGTTATTTTTGGTTACCGCCCTGATGCCCCAAACCATTTGGAATG
 CTGGAACAATTACCCCTTTTAAAACGGCAAAAAGCCAACCCAGGGGATAACCTGCCCGCC
 TTAATAAACTTTCTTGAAGGGCAAACCTGGGTTTTCTTTCTGAACCACTTAGATAAA
 AACGGGGCCCTCAAACAACACCGAGGGGCATGAACATGCTTTTTTTACCCCTGGGGGG
 GAATTTCTGGAACCCAGGTTCCATGCTCTTGA AAAACCCCGGTTTAAAACAGGGAAC
 AGGTTTCCACTAATATTTGGGGCAATCAAACCCAGGGGCCAACCCCAAAATTGAACC
 TGGCCCAAGAATGGATTTCCGGTTTTCTTCCGGGCCAACCCCAATGGGAACATT
 TTGGCCCCCGGAAAACAAAACTTTTATTTTATGTTTTATAACACAAGAGGGGCCCGC
 GGGACCAATGTGGGGAAACCCCAAAACCCCTTGAAAGGGGCCAGGTTTAAACAAG
 AACCCCTCCCTCTTTAGCTCGGAGGCCCAAAACCCGGGCCACGGGGCCGCCCA
 CCCGAAATCCCGGAAAGCGTGTCTAT

Restriction Sites:

NotI-NotI

ACCN:

AK055246

Insert Size:

3000 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: [AK055246.1](#)

RefSeq Size: 2995 bp

RefSeq ORF: 2995 bp

Locus ID: 55638

Cytogenetics: 8q23.2

Gene Summary: Syntabulin/GOLSYN is part of a kinesin motor-adaptor complex that is critical for the anterograde axonal transport of active zone components and contributes to activity-dependent presynaptic assembly during neuronal development (Cai et al., 2007 [PubMed 17611281]).[supplied by OMIM, Mar 2008]