

## Product datasheet for **SC316812**

### Syntabulin (SYBU) (NM\_001099745) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syntabulin (SYBU) (NM_001099745) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYBU
Synonyms:	GOLSYN; OCSYN; SNPHL
Vector:	<u>pCMV6 series</u>



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001099745, the custom clone sequence may differ by one or more nucleotides

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ATGGGGCCCTCCGCGAGAGCAAGAAGGAGCACAGAGTGCAGCATCATGACAAGGAGATT
TCTCGAAGCCGAATTCGCCGTTGATTCTTCGGCCCATATGCCCAACAACAGCACAAA
GTGTCCCAGCCTCTGAGTCTCCTTTCTCTGAGGAAGAGAGCAGAGAGTTCAACCCAGC
AGCTCTGGGCGCTCAGCGAGGACCGTTAGCAGCAACAGCTTCTGCTCAGATGACACAGGC
TGTCCTAGCAGCCAGTCAGTGTCTCCTGTGAAGACACCCTCAGATGCTGGAAACAGCCCC
ATTGGCTTTTGCCTGGAAGTGATGAAGGCTTACCAGAAAGAAATGCACGATTGGAATG
GTTGGTGAAGGAAGCATTAGTCTCTCGATATAAGAAGGAATCAAAGTCAGGCCTTGTG
AAACCAGGTAGTGAAGCTGATTTTAGTCTCTGAGCAGCACAGGCAGCATTTCGGCTCT
GAGGTCCATATGTCGACTGCGGGAAGCAAGCGTCTTCTTTCACGCAATCGAGGTCT
CATGGGCGGAGTAATGGAGCTTCGTACACAAGCCTGGCAGCAGCCCATCATCCCCGCGG
GAAAAGGACCTTCTGTCCATGCTGTGCAGGAATCAGCTGAGCCCTGTCAATATCCATCCC
AGTTATGCACCTTCTTCCCAAGCAGTAGCAACTCAGGCTCTACAAAGGAAGCGACTGT
AGCCCCATCATGAGGCGTTCTGGAAGGTACATGTCTTGGGTGAAAATCATGGTGTGAGA
CCCCAAACCCAGAGCAGTATTTGACTCCACTGCAGCAGAAAGAGGTGACAGTGAGACAC
CTCAAAACCAAGCTGAAGGAATCTGAGGCCGACTCCATGAAAGGGAAAGTGAATTCGTG
GAGCTTAAGTCCCAGCTGGCCCGCATGCGAGAGGACTGGATTGAGGAGGAGTGTACCCGG
GTAGAGGCCAGTTGGCACTCAAAGAAGCCAGGAAAGAGATTAACAGCTCAAACAGGTC
ATCGAAACCATGCGGAGCAGCTTGGCTGATAAAGATAAAGGCATTCAGAAATATTTTGTG
GACATAAACATCCAAAACAAGAAGCTGGAGTCTCTCCTCAGAGCATGGAGATGGCACAC
AGTGGCTCTCTGAGGGACGAACCTGTGCCTAGACTTCCATGTGATTCCCCAGAGAAGAGC
TTAACCCTCAACCCCTCTTGGACACAATGGCAGATGGGTTATCTCTGGAAGAGCAGGTC
ACGGGGGAAGGGGCTGACAGGGAGCTACTGGTAGGAGATAGCATAGCCAACAGCACAGAT
TTGTTTCGATGAGATAGTACAGCCACCACAGAAATCTGGTGACCTGGAGCTTGTGCAT
TCCACCCCTGGGGCTAACGTCCTGGAGCTGCTGCCCATAGTCATGGGTGAGGAGGGG
AGTGTGGTGGTGGAGCGAGCCGTTAGACCCGACGTGGTGCCTACAGCCAGCCATCTCA
GAGTCTATTAGAGTGTCTGCAGAAAGCTCCAGGACCCCTGTCCCTGAGCTTGGCGTCC
CCTGATGAGTCTGAACCAGACTCGATGGAGAGCTCCAGAGTCCCTCTCTGCCTTAGTG
GTTGATTTAACTCCAAGAAATCCAAACTCAGCCATCCTTTTGTCTCCCGTGGAGACCCC
TACGCCAATGTGGATGCAGAAGTTCATGCAAACCCCTCATGAGAGAGCTGGATTTTGCA
GCCTGCGTGGAAGAGAGGTTGGATGGTGTATCCCACTGGCTCGCGGGGGCGTCTGTGAGG
CAGTACTGGAGCAGCAGCTTCTGGTGGATCTCCTGGCTGTGGCTGCCCCCGTGGTCCCC
ACGGTTCTGTGGGCATTAGTACTCAGAGAGGGGGAACGGATCCTGTGTATAACATCGGG
GCCTTGCTCAGGGGCTGTGCGTGGTGGCCTGCATTGCTCCGCCGACCGCCTTCCGT
ATCAAAACC

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**Restriction Sites:** Please inquire

**ACCN:** NM\_001099745

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001099745.1](#), [NP\\_001093215.1](#)

**RefSeq Size:** 3087 bp

**RefSeq ORF:** 1992 bp

**Locus ID:** 55638

**UniProt ID:** [Q9NX95](#)

**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]  
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1-6 encode the same isoform (a).