

## Product datasheet for **SC318129**

### Syntabulin (SYBU) (NM\_017786) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syntabulin (SYBU) (NM_017786) 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\_017786, the custom clone sequence may differ by one or more nucleotides

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ATGGGGCCCTCCGCGAGAGCAAGGAGCACAGAGTGCAGCATCATGACAAGGAGATTTCT
CGAAGCCGAATCCCCGGTTGATTCTTCGGCCCATATGCCCCAACACAGCACAAAGTG
TCCCCAGCCTCTGAGTCTCCTTCTCTGAGGAAGAGAGCAGAGAGTTCAACCCAGCAGC
TCTGGGCGCTCAGCGAGGACCGTTAGCAGCAACAGCTTCTGCTCAGATGACACAGGCTGT
CCTAGCAGCCAGTCAGTGTCTCCTGTGAAGACCCCTCAGATGCTGGAACAGCCCCATT
GGCTTTTGCCCTGGAAGTGATGAAGGCTTACCAGAAAGAAATGCACGATTGGAATGGTT
GGTGAAGGAAGCATTAGTCTCTCGATATAAGAAGGAATCAAAGTCAGGCCTTGTGAAA
CCAGGTAGTGAAGCTGATTTAGCTCCTCGAGCAGCACAGGCAGCATTTCGGCTCCTGAG
GTCCATATGTCGACTGCGGAAGCAAGCGGTCTTCTTCTCACGCAATCGAGGTCCTCAT
GGGCGGAGTAATGGAGCTTCGTACACAAGCCTGGCAGCAGCCCATCCCCGCGGGAA
AAGGACCTTCTGTCCATGCTGTGCAGGAATCAGCTGAGCCCTGTCAATATCCATCCCAGT
TATGCACCTTCTCCCCAAGCAGTAGCAACTCAGGCTCTACAAAGGAAGCGACTGTAGC
CCCATCATGAGGGTTCTGGAAGGTACATGTCTTGCGGTAAAAATCATGGTGTGAGACC
CCAAACCCAGAGCAGTATTTGACTCCACTGCAGCAGAAAGAGGTGACAGTGAGACACCTC
AAAACCAAGCTGAAGGAATCTGAGCGCCGACTCCATGAAAGGGAAAGTGAATCGTGGAG
CTTAAGTCCCAGCTGGCCCGCATGCGAGAGGACTGGATTGAGGAGGAGTGTACCAGGTA
GAGGCCAGTTGGCACTCAAAGAAGCCAGGAAAGAGATTAACAGCTCAAACAGGTCATC
GAAACCATGCGGAGCAGCTTGGCTGATAAAGATAAAGGCATTAGAAATATTTTGTGGAC
ATAAACATCCAAAACAAGAAGCTGGAGTCTCTCCTTCAGAGCATGGAGATGGCACACAGT
GGCTCTCTGAGGGACGAAGTGTGCCTAGACTTTCCATGTGATTCCCAGAGAAGAGCTTA
ACCTCAACCCCTCTTGACACAATGGCAGATGGGTTATCTCTGGAAGAGCAGGTCAG
GGGAAGGGGCTGACAGGGAGCTACTGGTAGGAGATAGCATAGCCAACAGCACAGATTTG
TTCGATGAGATAGTGACAGCCACCACAGAATCTGGTGACCTGGAGCTTGTGCATTCC
ACCCCTGGGGCTAACGTCTGGAGCTGTGCCATAGTCATGGGTGAGGAGGAGGAGCAGT
GTGGTGGTGGAGCGAGCCGTTAGACCGACGTGGTGGCCACAGCCAGCCATCTCAGAG
CTCATTAGAGTGTGCTGCAGAAGCTCCAGGACCCCTGTCCCTGAGCTTGGCGTCCCCT
GATGAGTCTGAACCAGACTCGATGGAGAGCTTCCAGAGTCCCTCTCTGCCTTAGTGGTT
GATTTAACTCAAAGAAATCCAAACTCAGCCATCCTTTTGTCTCCCGTGGAGACCCCTAC
GCCAATGTGGATGCAGAAGTTCATGCAAACCGCCTCATGAGAGAGCTGGATTTTGCAGCC
TGGCTGGAAGAGAGGTTGGATGGTGTATCCCACTGGCTCGCGGGGGCGTCGTGAGGAG
TACTGGAGCAGCAGCTTCTGGTGGATCTCCTGGCTGTGGCTGCCCCCGTGGTCCCCACG
GTTCTGTGGGCATTAGTACTCAGAGAGGGGAACGGATCCTGTGTATAACATCGGGGCC
TTGCTCAGGGGCTGTTGCGTGGTTGCCCTGCATTGCTCCGCCGACCGCCTCCGTATC
AAAACC

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**Restriction Sites:** Please inquire

**ACCN:** NM\_017786

**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\\_017786.5](#), [NP\\_060256.3](#)

**RefSeq Size:** 3126 bp

**RefSeq ORF:** 1989 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 (9) differs in the 5' UTR and uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in a shorter protein (isoform b), compared to isoform a. Variants 7-11 encode the same isoform.