

Product datasheet for **SC316771**

Syntabulin (SYBU) (NM_001099749) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syntabulin (SYBU) (NM_001099749) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYBU
Synonyms:	GOLSYN; OCSYN; SNPHL
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001099749, the custom clone sequence may differ by one or more nucleotides

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ATGGTTGGTGAAGGAAGCATTTCAGTCTCTCGATAAAGAAGGAATCAAAGTCAGGCCTT
GTGAAACCAGGTAGTGAAGCTGATTTTAGCTCCTCGAGCAGCACAGGCAGCATTCCGCT
CCTGAGGTCCATATGTCGACTGCGGGAAGCAAGCGGTCTTCTTTCACGCAATCGAGGT
CCTCATGGGCGGAGTAATGGAGCTTCGTACACAAGCCTGGCAGCAGCCCATCATCCCCG
CGGAAAAGGACCTTCTGTCCATGCTGTGCAGGAATCAGCTGAGCCCTGTCAATATCCAT
CCCAGTTATGCACCTTCTCCCCAAGCAGTAGCAACTCAGGCTCCTACAAAGGAAGCGAC
TGTAGCCCCATCATGAGGCGTTCTGGAAGGTACATGCTTTCGCGGTAAAAATCATGGTGTG
AGACCCCAAACCCAGAGCAGTATTTGACTCCACTGCAGCAGAAAGAGGTGACAGTGAGA
CACCTCAAACCAAGCTGAAGGAATCTGAGCGCCGACTCCATGAAAGGGAAAGTAAATC
GTGGAGCTTAAGTCCCAGCTGGCCCGCATGCGAGAGGACTGGATTGAGGAGGAGTGTGAC
CGGGTAGAGGCCAGTTGGCACTCAAAGAAGCCAGGAAAGAGATTAACAGCTCAAACAG
GTCATCGAAACCATGCGGAGCAGCTTGGCTGATAAAGATAAAGGCATTGAGAAATATTTT
GTGGACATAAACATCCAAAACAAGAAGCTGGAGTCTCTCCTTCAGAGCATGGAGATGGCA
CACAGTGGCTCTCTGAGGGACGAACTGTGCCTAGACTTTCCATGTGATTTCCCAGAGAAG
AGCTTAACCCCAACCCCTCTTGACACAATGGCAGATGGGTTATCTCTGGAAGAGCAG
GTCACGGGGGAAGGGGCTGACAGGGAGCTACTGGTAGGAGATAGCATAGCCAACAGCACA
GATTTGTTTCGATGAGATAGTGACAGCCACCACCACAGAATCTGGTGACCTGGAGCTTGTG
CATTCCACCCCTGGGGCTAACGTCCTGGAGCTGCTGCCATAGTCATGGGTGAGGAGGAG
GGCAGTGTGGTGGAGCGAGCCGTTCCAGACCGACGTGGTGCCTACAGCCAGCCATC
TCAGAGCTCATTGAGTGTGCTGCAGAAGCTCCAGGACCCCTGTCCCTCGAGCTTGGCG
TCCCTGATGAGTCTGAACCAGACTCGATGGAGAGCTTCCAGAGTCCCTCTCTGCCTTA
GTGGTTGATTTAACTCCAAGAAATCCAACTCAGCCATCCTTTTGTCTCCCGTGGAGACC
CCCTACGCCAATGTGGATGCAGAAGTTCATGCAAACCGCCTCATGAGAGAGCTGGATTTT
GCAGCCTGCGTGAAGAGAGGTTGGATGGTGTATCCCACTGGCTCGCGGGGGCGTGTGTC
AGGCAGTACTGGAGCAGCAGCTTCTGGTGGATCTCTGGCTGTGGCTGCCCCCGTGGTC
CCCACGGTTCTGTGGCATTTCAGTACTCAGAGAGGGGGAACGGATCCTGTGTATAACATC
GGGGCCTTGTCTAGGGGCTGTTGCGTGGTTGCCCTGCATTGCTCCGCCGACCGCCTTC
CGTATCAAACCC
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Restriction Sites:	Please inquire
ACCN:	NM_001099749
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:	<ol style="list-style-type: none"> 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:	<u>NM_001099749.1</u> , <u>NP_001093219.1</u>
RefSeq Size:	2722 bp
RefSeq ORF:	1635 bp
Locus ID:	55638
UniProt ID:	<u>Q9NX95</u>
Cytogenetics:	8q23.2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (14) has multiple differences in the presence and absence of exons at its 5' end, compared to variant 1. These differences produce a unique 5' UTR and cause translation initiation at a downstream start codon, compared to variant 1. The encoded protein (isoform d) is shorter than isoform a. Variants 13-15 encode the same isoform.</p>