

Product datasheet for **RC218444**

Syntabulin (SYBU) (NM_001099754) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syntabulin (SYBU) (NM_001099754) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Syntabulin
Synonyms:	GOLSYN; OCSYN; SNPHL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC218444 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGCCCTCCGCGAGAGCAAGAAGGAGCACAGAGTGCAGCATCATGACAAGGAGATTTCTCGAAGCC
GAATTCGCCGTTGATTCTCGGCCCATATGCCCAACACAGCACAAAGTGTCGCCAGCCTCTGAGTC
TCCTTTCTCTGAGGAAGAGAGCAGAGAGTTCAACCCAGCAGCTCTGGCGCTCAGCGAGGACCGTTAGC
AGCAACAGCTTCTGCTCAGATGACACAGGCTGTCTAGCAGCCAGTCAGTGTCTCCTGTGAAGACACCTT
CAGATGCTGGAACAGCCCCATTGGCTTTGCCCTGGAAGTGATGAAGGCTTCACCAGAAAGAAATGCAC
GATTGGAATGGTTGGTGAAGGAAGCATTAGTCTCTCGATATAAGAAGGAATCAAAGTCAGGCCTTGTG
AAACCAGGTAGTGAAGCTGATTTAGTCTCTGAGCAGCACAGGCAGCATTTCGCTCTGAGGTCCATA
TGTCGACTGCGGAAGCAAGCGTCTTCTTTCACGCAATCGAGTCTCATGGCGGAGTAATGGAGC
TTCGTCACACAAGCCTGGCAGCAGCCATCATCCCGCGGAAAAGGACCTTCTGTCCATGCTGTGCAGG
AATCAGCTGAGCCCTGTCAATATCCATCCAGTTATGCACCTTCTCCCAAGCAGTAGCAACTCAGGCT
CCTACAAAGGAAGCGACTGTAGCCCATCATGAGGCGTTCTGGAAGGTACATGTCTTGCGGTGAAAATCA
TGGTGTGACAGCCCCAAACCCAGAGCAGTATTTGACTCCACTGCAGCAGAAAGAGGTGACAGTGAGACAC
CTCAAAACCAAGCTGAAGGAATCTGAGCGCCGACTCCATGAAAGGGAAAGTGAATCGTGGAGCTTAAGT
CCCAGCTGGCCCGCATGCGAGAGGACTGGATTGAGGAGGAGTGTACCCGGTAGAGGCCAGTTGGCACT
CAAAGAAGCCAGGAAAGAGATTAACAGCTCAACAGGTATCGAAACATGCGGAGCAGCTTGGCTGAT
AAAGATAAAGGCATTAGAAATATTTGTGGACATAAACATCCAAACAAGAAGCTGGAGTCTCTCCTTC
AGAGCATGGAGATGGCACACAGTGGCTCTCTGAGGGACGAACTGTGCTAGACTTCCATGTGATTCCCC
AGAGAAGAGCTTAACCCTCAACCCCTCTTGACACAATGGCAGATGGGTTATCTCTGGAAGAGCAGGTC
ACGGGGGAAGGGGCTGACAGGGAGCTACTGGTAGGAGATAGCATAGCCAACAGCACAGATTTGTTGATG
AGATAGTGACAGCCACCACCACAGAATCTGGTACCTGGAGCTTGTGCATTCCACCCTGGGGCTAACGT
CCTGGAGCTGCTGCCATAGTCAATGGTTCAGGAGGAGGGCAGTGTGGTGGTGGAGCGAGCCGTTAGACC
GACGTGGTGCCCTACAGCCAGCCATCTCAGAGCTCATTAGAGTGTGCTGCAGAAGCTCCAGGACCCCT
GTCCTCGAGCTTGGCGTCCCCTGATGAGTCTGAACCAGACTCGATGGAGAGCTTCCAGAGTCCCTCTC
TGCTTAGTGGTTGATTTAACTCCAAGAAATCCAAACTCAGCCATCCTTTTGTCTCCCGTGGAGACCCCT
TACGCAATGTGGATGCAGAAGTTCATGCAAACCGCCTCATGAGAGAGCTGGATTTTGCAGCCTGCGTGG
AAGAGAGGTTGGATGGTGTATCCCACTGGCTCGCGGGGGCGTCTGAGGCACTACTGGAGCAGCAGCTT
CCTGGTGGATCTCCTGGCTGTGGCTGCCCCGTTGGTCCCCACGGTCTGTGGGCATTAGTACTCAGAGA
GGGGGAACGGATCCTGTGTATAACATCGGGGCTTGTCTCAGGGGCTGTTGCGTGGTTGCCCTGCATTGCG
TCCGCGCACCGCCTTCCGTATCAAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218444 protein sequence
Red=Cloning site Green=Tags(s)

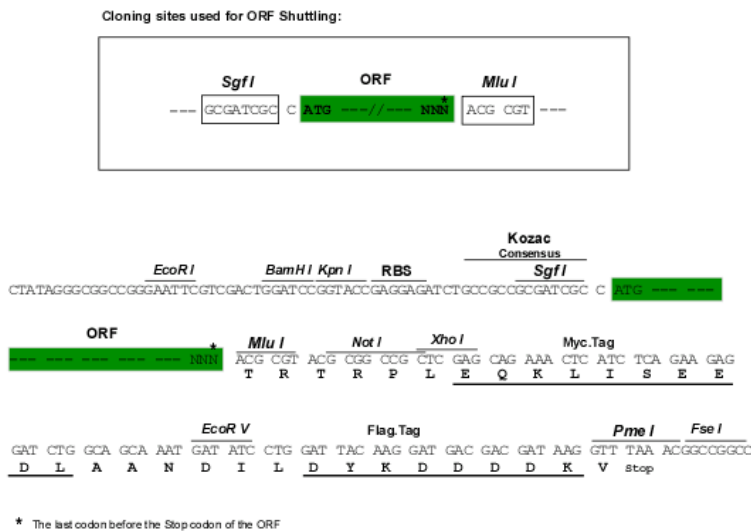
MGPLRESKKEHRVQHHDKEISRSRIPRLILRPHMPQQQHKVSPASESPFSEESREFNPSSSGRSARTVS
SNSFCSDDTGCPSSQSVSPVKTPSDAGNSPIGFPCGSDEGFTRKKCTIGMVGEGSIQSSRYKESKSGLV
KPGSEADFSSSSSTGSIISAPEVHMSTAGSKRSSSRNRGPHGRSNGASSHKPGSSPSSPREKDLLSMLCR
NQLSPVNIHPSYAPSSPSSNSGSYKGSDCSPIMRRSGRYMSCGENHGVRPPNPEQYLTPLQQKEVTVRH
LKTLLKESERRLHERESEIVELKSQLARMREDWIEEECHRVEAQLALKEARKEIKQLKQVIETMRSSLAD
KDKGIQKYFVDINIQNKKLESLLSMEMAHSGSLRDELCLDFPCDSPEKSLTLNPPLDTMADGLSLEEQV
TGEADRELLVGDSIANSTDLFDEIVTATTESGDLELVHSTPGANVLELLPIVMQEEGSSVVVERAVQT
DVVYPSPAISELIQSVLQKLQDPCPSSLASPDESEPDMSMFPELSALVVDLTPRNPNSAILLSPVETP
YANVDAEVHANRLMRELDFAACVEERLDGVIPLARGGVVRQYWSSFLVDLLAVAAPVVPTVLWAFSTQR
GGTDPVYINIGALLRGCCVVALHSLRRTAFRIKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8016_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001099754

ORF Size: 1989 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001099754.2](#)

RefSeq Size: 2898 bp

RefSeq ORF: 1992 bp

Locus ID: 55638

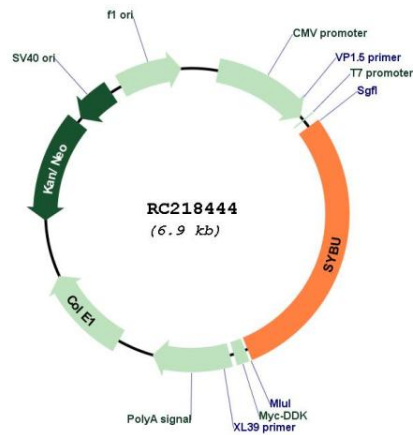
UniProt ID: [Q9NX95](#)

Cytogenetics: 8q23.2

MW: 72.4 kDa

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]

Product images:



Circular map for RC218444