

Product datasheet for **MC228324**

Sybu (NM_001285843) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sybu (NM_001285843) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sybu
Synonyms:	Golsyn
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228324 representing NM_001285843
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGTCTATGGAGCTTACTCTTATTACTCATAATGTGTGGTTGGCCAAATGGCAGAAGGCTCCA
 CCCCCGAGAGCATGAGTGTACCGGTGACTGTTATGTTTCCAACCTGTACATGGGTCAAGTTTTAGGCAG
 TGAAGCAGATTTAGCTCCTCGAGCAGCACAGGCAGCATCTCGGCTCCTGAGGTCCACATGTCCACGACA
 GGAAACAAGAGAGCCTCTTTCTCACGCAACCGAGGCCCTCATGGGCGGAGCAATGGAGCATCATCCACA
 AGTCTGGCAGCAGCCACCATCCCCAAGGGAAAAAGACCTTGTGTCTATGCTGTGCAGGAATCCACTGAG
 CCCCAGTAACATCCACCCTAGTTACGCCCTTCTTCTCCAAGTAGCAGCAACTCCGGCTCTACAAAGGA
 AGTGATTGTAGTCCAGTCATGAGAAGGTCTGGAAGATACATGTCTTGTGGCGAAAATCACGGTGTCAAAC
 CCCCAAATCCAGAACAGTATTTGACTCCTGTCAGCAGAAGGAGGTCACAGTGAGGCACCTGAGGACCAA
 GCTGAAGGAGTCTGAGCGCCGACTCCATGAGAGGGAATCTGAAATCATGGAGCTCAAGTCTCAGCTGGCT
 CGAATGAGGGAGGACTGGATTGAGGAAGAGTGCCACAGAGTGGAGGCTCAGTTGGCACTCAAAGAAGCCA
 GAAAAGAGATTAACAGCTCAAACAGGTATCGAGACTATGAGGAGCAGCTTGGCTGATAAAGATAAAGG
 CATTGAGAAGTACTTTGTGGACATAAACATCCAAAACAAGAACTGGAGTCTCTGCTTCAAAGCATGGAG
 ATGGCACACAATAGTTCCTGAGGGATGAAGTGTGTCTTGACTTTTCTTTGATTCCCCAGAGAAAAGTT
 TACCCCTGAGCAGCACATTTGACAAGTTGCCAGATGGGTTATCTCTGGAAGAACAGATAACAGAGGAAGG
 TGCTGACAGTGAGCTTCTGGTGGGAGACAGCATGGCTGAAGGCACAGATCTGTTAGATGAGATGGTGACT
 GCCACCACCACAGAATCCAGTGGCCTGGAGTTTGTTCATTCCACTCCAGGGCCACAAGCCCTCAAGGCTC
 TCCCTTGGTGAGCCACGAAGAGGGCATTGCGGTGATGGAGCAAGCCGTGCAGACCGACGTGGTGCCGTT
 CAGCCCTGCCATCTCAGAGCTCATTGAGAGTGTGCTAAAGCTGCAGGACTACTGTCCACAAGCTCAGCA
 TCTCCAGATGAATCTGGAGCTGACTCGATGAAAAGCTTCTCAGAATCTATCTCTGCCTTAATGCTTGATT
 TAACTCCAAGAAGTCTAACTCGGCCATCCTTCTGTCTCTGTGGAGATCCCATTGAGCAAGGGGCTAT
 GGAAGCCCATGCAAAATCGCCTCATGAGAGAGCTAGATTTTGCAGCCTACACAGAAGAAAGATTGGACAGT
 GTCCTCTACTGTCCCAGGGCAGTGTGTGAGGCAGTACTGGAGCAGCAATTTCTTGGTGGATCTACTGG
 CTGTGGCTGCCCTGTGGTACCCACTGTTCTGTGGGCATTCAGTACTCAGAGAGGGGGTACAGATCTGT
 CTAACAACATCGGAGCTTTGCTCCGAGGTTGCTGTGTGGTGGCCCTACACTACTACGCCGACCCGCTTTC
 CACATGAAAACCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001285843
- Insert Size:** 1695 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001285843.1](#), [NP_001272772.1](#)

RefSeq Size: 2506 bp

RefSeq ORF: 1695 bp

Locus ID: 319613

UniProt ID: [Q8BHS8](#)

Cytogenetics: 15 B3.2

Gene Summary: 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.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (g) has multiple differences, compared to variant 1. These differences result in a distinct 5'UTR and cause translation initiation at an alternate start codon. The encoded isoform (e) has a distinct and shorter N-terminus, compared to isoform a.