

Product datasheet for **MC219469**

Sybu (NM_001032727) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sybu (NM_001032727) 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: >MC219469 representing NM_001032727
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACACGGTCTGCAAAGGAAACGATGACACAGTTGTCCAGCAGCCAGTCGGTATCGCTGTGAAGA
 CTCCTTCAGACACAGGGCACAGTCCCATTGGCTTTTGCCCTGGAAGCGATGAAGACTTTACCAGGAAGAA
 ATGCAGGATTGGAATGGTTGGTGAGGGAAGTATTCAGTCAGCTCGTCATAAAAAAGAACCAAGGGAGGC
 ATCATAAAGCCAGGCAGTGAAGCAGATTTAGCTCCTCGAGCAGCACAGGCAGCATCTCGGCTCCTGAGG
 TCCACATGTCCACGACAGGAAACAAGAGAGCCTTTTCTCACGCAACCGAGGCCCTCATGGGCGGAGCAA
 TGGAGCATCATCCACAAGTCTGGCAGCAGCCACCATCCCAAGGAAAAAGACCTTGTGTCTATGCTG
 TGCAGGAATCCACTGAGCCCCAGTAACATCCACCCTAGTTACGCCCTTCTTCTCCAAGTAGCAGCAACT
 CCGGCTCTCAAAGGAAGTGATTGTAGTCCAGTCATGAGAAGGTCTGGAAGATACATGTCTTGTGGCGA
 AAATCACGGTGTCAAACCCCAAATCCAGAACAGTATTTGACTCCTCTGCAGCAGAAGGAGGTCACAGTG
 AGGCACCTGAGGACCAAGCTGAAGGAGTCTGAGCGCCGACTCCATGAGAGGGAATCTGAAATCATGGAGC
 TCAAGTCTCAGCTGGCTCGAATGAGGGAGGACTGGATTGAGGAAGAGTGCCACAGAGTGGAGGCTCAGTT
 GGCACTCAAAGAAGCCAGAAAAGAGATTAACAGCTCAAACAGGTCATCGAGACTATGAGGAGCAGCTTG
 GCTGATAAAGATAAAGGCATTGAGAAGTACTTTGTGGACATAAACATCCAAAACAAGAACTGGAGTCTC
 TGCTTCAAAGCATGGAGATGGCACACAATAGTTCCTGAGGGATGAAGTGTGCTTGGACTTTTCCTTTGA
 TCCCCAGAGAAAAGTTTACCCCTGAGCAGCACATTTGACAAGTTGCCAGATGGGTTATCTCTGGAAGAA
 CAGATAACAGAGGAAGGTGCTGACAGTGAGCTTCTGGTGGGAGACAGCATGGCTGAAGGCACAGATCTGT
 TAGATGAGATGGTGACTGCCACCACAGAATCCAGTGGCTGGAGTTTGTTCATCCACTCCAGGGCC
 ACAAGCCCTCAAGGCTCTCCCTTGGTGAGCCACGAAGAGGGCATTGCGGTGATGGAGCAAGCCGTGCAG
 ACCGACGTGGTGCCGTTAGCCCTGCCATCTCAGAGCTCATTGAGTGTGCTAAAGCTGCAGGACTACT
 GTCCACAAGCTCAGCATCTCCAGATGAATCTGGAGCTGACTCGATGGAAAGCTTCTCAGAATCTATCTC
 TGCTTAAATGCTTGAATTAACCCAAGAAGTCCTAACTCGGCCATCCTTCTGTCTCTGTGGAGATCCCA
 TTCAGCAAAGGGGCTATGGAAGCCATGCAAAATCGCCTCATGAGAGAGCTAGATTTTGCAGCCTACACAG
 AAGAAAGATTGGACAGTGTCTCTCACTGTCCAGGGCAGTGTGTGAGGCAGTACTGGAGCAGCAATTT
 CTTGGTGGATCTACTGGCTGTGGCTGCCCTGTGGTACCCACTGTTCTGTGGCATTGACTACTCAGAGA
 GGGGTACAGATCTGTCTACAACATCGGAGCTTTGCTCCGAGGTTGCTGTGTGGTGGCCCTACACTCAC
 TACGCCGACCGCTTTCCACATGAAAAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001032727

Insert Size: 1782 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).

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_001032727.1](#), [NP_001027899.1](#)

RefSeq Size: 2948 bp

RefSeq ORF: 1782 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 (b) lacks two consecutive in-frame exons in the central coding region, compared to variant a. The encoded isoform (b) is shorter, compared to isoform a.