

Product datasheet for **MC227782**

Sybu (NM_001285841) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sybu (NM_001285841) 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: >MC227782 representing NM_001285841
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGTGCAGGAATCCACTGAGCCCCAGTAACATCCACCCTAGTTACGCCCTTCTTCTCCAAGTAGCA
 GCAACTCCGGCTCTACAAAGGAAGTGATTGTAGTCCAGTCATGAGAAGGTCTGGAAGATACATGTCTTG
 TGGCGAAAATCACGGTGTCAAACCCCCAAATCCAGAACAGTATTTGACTCCTCTGCAGCAGAAGGAGGTC
 ACAGTGAGGCACCTGAGGACCAAGCTGAAGGAGTCTGAGCGCCGACTCCATGAGAGGGAATCTGAAATCA
 TGGAGCTCAAGTCTCAGCTGGCTCGAATGAGGGAGGACTGGATTGAGGAAGAGTGCCACAGAGTGGAGGC
 TCAGTTGGCACTCAAAGAAGCCAGAAAAGAGATTAACAGCTCAAACAGGTCATCGAGACTATGAGGAGC
 AGCTTGGCTGATAAAGATAAAGGCATTCAGAAGTACTTTGTGGACATAAACATCCAAAACAAGAACTGG
 AGTCTCTGCTTCAAAGCATGGAGATGGCACACAATAGTCCCTGAGGGATGAACTGTGTCTTGACTTTTC
 CTTTGATTCCCCAGAGAAAAGTTTACCCTGAGCAGCACATTTGACAAGTTGCCAGATGGGTTATCTCTG
 GAAGAACAGATAACAGAGGAAGGTGCTGACAGTGAGCTTCTGGTGGGAGACAGCATGGCTGAAGGCACAG
 ATCTGTTAGATGAGATGGTGACTGCCACCACCACAGAATCCAGTGGCCTGGAGTTTGTTCACTCCACTCC
 AGGGCCACAAGCCCTCAAGGCTCTCCCCTTGGTGAGCCACGAAGAGGGCATTGCGGTGATGGAGCAAGCC
 GTGCAGACCGACGTGGTGCCGTTTCAGCCCTGCCATCTCAGAGCTCATTAGAGTGTGCTAAAGCTGCAGG
 ACTACTGTCCACAAGCTCAGCATCTCCAGATGAATCTGGAGCTGACTCGATGGAAGCTTCTCAGAATC
 TATCTCTGCCTTAATGCTTGATTTAACTCCAAGAAGTCTAACTCGGCCATCCTTCTGTCTCCTGTGGAG
 ATCCCATTACAGCAAGGGGGCTATGGAAGCCCATGCAAAATCGCCTCATGAGAGAGCTAGATTTGCAGCCT
 ACACAGAAGAAAGATTGGACAGTGTCTCTCACTGTCCCAGGGCAGTGTGTGAGGCAGTACTGGAGCAG
 CAATTTCTTGGTGGATCTACTGGCTGTGGCTGCCCTGTGGTACCCACTGTTCTGTGGGCATTCAGTACT
 CAGAGAGGGGTACAGATCCTGTCTACAACATCGGAGCTTTGCTCCGAGTTGCTGTGTGGTGGCCCTAC
 ACTCACTACGCCGACCCTTTCCACATGAAAACCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001285841

Insert Size: 1368 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_001285841.1](#), [NP_001272770.1](#)

RefSeq Size: 2295 bp

RefSeq ORF: 1368 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 (e) has multiple differences, compared to variant 1. These differences result in a distinct 5'UTR and cause translation initiation at a downstream start codon. The encoded isoform (d) has a shorter N-terminus, compared to isoform a. Both variants 5 and 6 encode the same isoform.