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# Product datasheet for MC228324

## Sybu (NM_001285843) Mouse Untagged Clone

### Product data:

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

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**Fully Sequenced ORF:**

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAAGTCTATGGAGCTTACTCTCTTATTACTCATAATGTGTGGTTGGCCCAAATGGCAGAAGGCTCCA
CCCCCGAGAGCATGAGTGTACCGGTGACTGTTATGTTTCCAACTTGTCACATGGGTCAAGTTTTAGGCAG
TGAAGCAGATTTTAGCTCCTCGAGCAGCACAGGCAGCATCTCGGCTCCTGAGGTCCACATGTCCACGACA
GGAAACAAGAGAGCCTCTTTCTCACGCAACCGAGGCCCTCATGGGCGGAGCAATGGAGCATCATCCCACA
AGTCTGGCAGCAGCCCACCATCCCCAAGGGAAAAAGACCTTGTGTCTATGCTGTGCAGGAATCCACTGAG
CCCCAGTAACATCCACCCTAGTTACGCCCCTTCTTCTCCAAGTAGCAGCAACTCCGGCTCCTACAAAGGA
AGTGATTGTAGTCCAGTCATGAGAAGGTCTGGAAGATACATGTCTTGTGGCGAAAATCACGGTGTCAAAC
CCCCAAATCCAGAACAGTATTTGACTCCTCTGCAGCAGAAGGAGGTCACAGTGAGGCACCTGAGGACCAA
GCTGAAGGAGTCTGAGCGCCGACTCCATGAGAGGGAATCTGAAATCATGGAGCTCAAGTCTCAGCTGGCT
CGAATGAGGGAGGACTGGATTGAGGAAGAGTGCCACAGAGTGGAGGCTCAGTTGGCACTCAAAGAAGCCA
GAAAAGAGATTAAACAGCTCAAACAGGTCATCGAGACTATGAGGAGCAGCTTGGCTGATAAAGATAAAGG
CATTCAGAAGTACTTTGTGGACATAAACATCCAAAACAAGAAACTGGAGTCTCTGCTTCAAAGCATGGAG
ATGGCACACAATAGTTCCCTGAGGGATGAACTGTGTCTTGACTTTTCCTTTGATTCCCCAGAGAAAAGTT
TACCCCTGAGCAGCACATTTGACAAGTTGCCAGATGGGTTATCTCTGGAAGAACAGATAACAGAGGAAGG
TGCTGACAGTGAGCTTCTGGTGGGAGACAGCATGGCTGAAGGCACAGATCTGTTAGATGAGATGGTGACT
GCCACCACCACAGAATCCAGTGGCCTGGAGTTTGTTCATTCCACTCCAGGGCCACAAGCCCTCAAGGCTC
TCCCCTTGGTGAGCCACGAAGAGGGCATTGCGGTGATGGAGCAAGCCGTGCAGACCGACGTGGTGCCGTT
CAGCCCTGCCATCTCAGAGCTCATTCAGAGTGTGCTAAAGCTGCAGGACTACTGTCCCACAAGCTCAGCA
TCTCCAGATGAATCTGGAGCTGACTCGATGGAAAGCTTCTCAGAATCTATCTCTGCCTTAATGCTTGATT
TAACTCCAAGAAGTCCTAACTCGGCCATCCTTCTGTCTCCTGTGGAGATCCCATTCAGCAAGGGGGCTAT
GGAAGCCCATGCAAATCGCCTCATGAGAGAGCTAGATTTTGCAGCCTACACAGAAGAAAGATTGGACAGT
GTCCTCTCACTGTCCCAGGGCAGTGTTGTGAGGCAGTACTGGAGCAGCAATTTCTTGGTGGATCTACTGG
CTGTGGCTGCCCCTGTGGTACCCACTGTTCTGTGGGCATTCAGTACTCAGAGAGGGGGTACAGATCCTGT
CTACAACATCGGAGCTTTGCTCCGAGGTTGCTGTGTGGTGGCCCTACACTCACTACGCCGCACCGCTTTC
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).

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| **Reconstitution Method:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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-adapter 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]<br>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. |

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