

Product datasheet for **MC221669**

Sybu (NM_176998) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sybu (NM_176998) 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: >MC221669 representing NM_176998
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCGCCCCACCTACCGGTACAGAGTCTCCGGCCTCCGGCGACTGTCCCACGTGTTCCGAAGCCCCAG
 GTGCCCGCGTGGCTCCAGAAGTCAAGAGCCGAGGGGACCGAGCGCGCTGGCAGCTGCCGCACCAC
 GTGTGCTAACCGGGCTGGCGGCGCGGGCGAGCGGGCCGGGGCTGGTTCCTCCAGCCCCAGCGCAAACCG
 CTTGCCACGCGTGTGTGCGCGGCGGGCGGCCAGTCCAGCACAAGCCTCTAGGGCATTGGGGACTG
 TCTGGACAGCGCAATGGACACGGTCTGCAAAGGAAACGGTGCCTCCTCTGGACGCGCGGGCGGGCA
 GCGGCGCGTGGGAGCCGCGAGCAGCAGCGAAATGGGGCCCTCCGAGAGAGCAAGAAGGAGCAGAGA
 GTGCAGCATCAGGAGAAAGAGATTTCCAGGAGCCGGATCCCCGGTTGATTCTGCGGCCCATCGGCCTC
 AGCAGCAGCAACAGCAGCAGAACAAGTTTCCCAGCCTCCGAGTCTCCTTTTCCGAGGAAGAAAGTAG
 AGAGTTCAACCCAGCAGCTCTGGACGCTCAGCAAGGACGATTAGCAGCAACAGCTTCTGCTCAGATGAC
 ACAGGTTGTCCCAGCAGCCAGTCGGTATCGCCTGTGAAGACTCCTTCAGACACAGGGCACAGTCCCATTG
 GCTTTTGCCCTGGAAGCGATGAAGACTTTACCAGGAAGAAATGCAGGATTGGAATGGTTGGTGAGGGAAG
 TATTCAGTCAGCTCGTCATAAAAAAGAACCAAGGGAGGCATCATAAAGCCAGGCAGTGAAGCAGATTTT
 AGCTCCTCGAGCAGCACAGGCAGCATCTCGGCTCTGAGGTCCACATGTCCACGACAGGAAAACAAGAGAG
 CCTTTTCTCACGAACCGAGGCCCTCATGGGCGGAGCAATGGAGCATCATCCACAAGTCTGGCAGCAG
 CCCACCATCCCAAGGGAAAAAGACCTTGTTCTATGCTGTGCAGGAATCCACTGAGCCCCAGTAACATC
 CACCCTAGTTACGCCCTTCTTCTCAAAGTAGCAGCAACTCCGGCTCTACAAGGAAGTGATTGTAGTC
 CAGTCATGAGAAGGTCTGGAAGATACATGTCTTGTGGCGAAAATCACGGTGTCAAACCCCAAATCCAGA
 ACAGTATTTGACTCCTCTGCAGCAGAAGGAGTACAGTGAGGCACCTGAGGACCAAGCTGAAGGAGTCT
 GAGCGCCGACTCCATGAGAGGGAATCTGAAATCATGGAGCTCAAGTCTCAGCTGGCTCGAATGAGGGAGG
 ACTGGATTGAGGAAGAGTGCCACAGAGTGGAGGCTCAGTTGGCACTCAAAGAAGCCAGAAAAGAGATTAA
 ACAGCTCAAACAGGTATCGAGACTATGAGGAGCAGCTTGGTGATAAAGATAAAGGCATTGAGAAGTAC
 TTTGTGGACATAAACATCCAAAACAAGAACTGGAGTCTCTGCTTCAAAGCATGGAGATGGCACACAATA
 GTTCCCTGAGGGATGAAGTGTCTTGGCTTTTCTTTGATTCCCAGAGAAAAGTTTACCCTGAGCAG
 CACATTTGACAAGTTGCCAGATGGTTATCTCTGGAAGAACAGATAACAGAGGAAGGTGCTGACAGTGAG
 CTTCTGGTGGGAGACAGCATGGCTGAAGGCACAGATCTGTTAGATGAGATGGTGACTGCCACCACCACAG
 AATCCAGTGGCCTGGAGTTTGTTCATTCCACTCCAGGGCCACAAGCCCTCAAGGCTCTCCCTTGGTGAG
 CCACGAAGAGGGCATTGCGGTGATGGAGCAAGCGTGCAGACCGACGTGGTGCCGTTTCAGCCCTGCCATC
 TCAGAGCTCATTGAGAGTGTGCTAAAGTGCAGGACTACTGTCCCACAAGCTCAGCATCTCCAGATGAAT
 CTGGAGCTGACTCGATGGAAAGCTTCTCAGAATCTATCTCTGCCTTAATGCTTGAATTAAGTCAAGAAG
 TCCTAACTCGGCCATCCTTCTGTCTCTGTGGAGATCCCATTAGCAAGGGGGCTATGGAAGCCCATGCA
 AATCGCCTCATGAGAGAGCTAGATTTTGCAGCCTACACAGAAGAAAGATTGGACAGTGTCTCTCACTGT
 CCCAGGGCAGTGTGTGAGGCAGTACTGGAGCAGCAATTTCTGGTGGATCTACTGGCTGTGGCTGCCCC
 TGTGGTACCCACTGTTCTGTGGCATTTCAGTACTCAGAGAGGGGTACAGATCCTGTCTACAACATCGGA
 GCTTTGCTCCGAGTTGCTGTGTGGTGGCCCTACACTCACTACGCCGACCGCTTTCCACATGAAAACCT
 AA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_176998
 Insert Size: 2382 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:	<ol style="list-style-type: none">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_176998.4 , NP_795972.2
RefSeq Size:	3255 bp
RefSeq ORF:	2382 bp
Locus ID:	319613
UniProt ID:	Q8BHS8
Cytogenetics:	15 B3.2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (a) represents the longest transcript and encodes the longest isoform (a).</p>