

Product datasheet for **MR229993**

Sybu (NM_001285841) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sybu (NM_001285841) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sybu
Synonyms:	Golsyn
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR229993 representing NM_001285841
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGTGCAGGAATCCACTGAGCCCCAGTAACATCCACCCTAGTTACGCCCTTCTTCCAAGTAGCA
 GCAACTCCGGCTCTACAAAGGAAGTGATTGTAGTCCAGTCATGAGAAGGTCTGGAAGATACATGTCTTG
 TGGCGAAAATCACGGTGTCAAACCCCCAAATCCAGAACAGTATTTGACTCCTCTGCAGCAGAAGGAGGTC
 ACAGTGAGGCACCTGAGGACCAAGCTGAAGGAGTCTGAGCGCCGACTCCATGAGAGGGAATCTGAAATCA
 TGGAGCTCAAGTCTCAGCTGGCTCGAATGAGGGAGGACTGGATTGAGGAAGAGTGCCACAGAGTGGAGGC
 TCAGTTGGCACTCAAAGAAGCCAGAAAAGAGATTAACAGCTCAAACAGGTCATCGAGACTATGAGGAGC
 AGCTTGGCTGATAAAGATAAAGGCATTCAGAAGTACTTTGTGGACATAAACATCCAAAACAAGAACTGG
 AGTCTCTGCTTCAAAGCATGGAGATGGCACACAATAGTCCCTGAGGGATGAACTGTGTCTTGACTTTTC
 CTTTGATTCCCCAGAGAAAAGTTTACCCTGAGCAGCACATTTGACAAGTTGCCAGATGGGTTATCTCTG
 GAAGAACAGATAACAGAGGAAGGTGCTGACAGTGAGCTTCTGGTGGGAGACAGCATGGCTGAAGGCACAG
 ATCTGTTAGATGAGATGGTGACTGCCACCACCACAGAATCCAGTGGCCTGGAGTTTGTTCATTCCACTCC
 AGGGCCACAAGCCCTCAAGGCTCTCCCCTTGGTGAGCCACGAAGAGGGCATTGCGGTGATGGAGCAAGCC
 GTGCAGACCGACGTGGTGCCGTTAGCCCTGCCATCTCAGAGCTCATTAGAGTGTGCTAAAGCTGCAGG
 ACTACTGTCCACAAGCTCAGCATCTCCAGATGAATCTGGAGTCTGACTCGATGGAAGCTTCTCAGAATC
 TATCTCTGCCTTAATGCTTGATTTAACTCCAAGAAGTCTAACTCGGCCATCCTTCTGTCTCCTGTGGAG
 ATCCCATTAGCAAGGGGGCTATGGAAGCCATGCAAAATCGCCTCATGAGAGAGCTAGATTTTGCAGCCT
 ACACAGAAGAAAGATTGGACAGTCTCCTCAGTGTCCAGGGCAGTGTGTGAGGCACTACTGGAGCAG
 CAATTTCTTGGTGGATCTACTGGCTGTGGCTGCCCTGTGGTACCCACTGTTCTGTGGGCATTAGTACT
 CAGAGAGGGGTACAGATCCTGTCTACAACATCGGAGCTTGTCCGAGGTTGCTGTGTGGTGGCCCTAC
 ACTCACTACGCCGACCCTTTCCACATGAAAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229993 representing NM_001285841
 Red=Cloning site Green=Tags(s)

MLCRNPLSPSNIHPSYAPSSPSSNSGSYKGSDCSPVMRRSGRYMSCGENHGVKPPNPEQYLTPLQQKEV
 TVRHLRKLKESERRLHERESEIMELKSQLARMREDWIEEECHRVEAQLALKEARKEIKQLKQVIETMRS
 SLADKDKGIQKYFVDINIQNKLESLLQSMEMAHNSSLRDELCLDFSFDSPEKSLPLSSTFDKLPDGLSL
 EEQITEEGADSELLVGD SMAEGTDLLDEMVTATTTESGLEFVHSTPGPQALKALPLVSHEEGIAVMEQA
 VQTDVVPFSPAISELIQSVLKLQDYCPTSSASPDESGADSMESFSESISALMLDLTPRSPNSAILLSPVE
 IPFSKGAMEAHANRLMRELDFAAYTEERLDSVLSLQGSVVRQYWSSNFLVDLLAVAAPVPTVLWAFST
 QGGTDPVYNIGALLRGCCVVALHSLRRTAFHMKT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

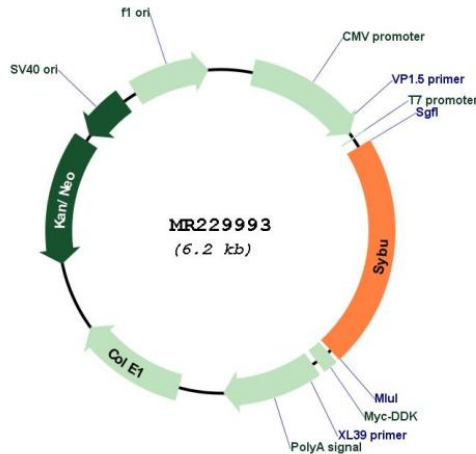
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001285841

ORF Size: 1365 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

MW: 50.8 kDa

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]