

Product datasheet for **MR229994**

Sybu (NM_001285842) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sybu (NM_001285842) 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:

>MR229994 representing NM_001285842
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGTGCAGGAATCCACTGAGCCCCAGTAACATCCACCCTAGTTACGCCCTTCTTCCAAGTAGCA
GCAACTCCGGCTCTACAAAGGAAGTGATTGTAGTCCAGTCATGAGAAGGTCTGGAAGATACATGTCTTG
TGGCGAAAATCACGGTGTCAAACCCCCAAATCCAGAACAGTATTTGACTCCTCTGCAGCAGAAGGAGGTC
ACAGTGAGGCACCTGAGGACCAAGCTGAAGGAGTCTGAGCGCCGACTCCATGAGAGGGAATCTGAAATCA
TGGAGCTCAAGTCTCAGCTGGCTCGAATGAGGGAGGACTGGATTGAGGAAGAGTGCCACAGAGTGGAGGC
TCAGTTGGCACTCAAAGAAGCCAGAAAAGAGATTAACAGCTCAAACAGGTCATCGAGACTATGAGGAGC
AGCTTGGCTGATAAAGATAAAGGCATTCAGAAGTACTTTGTGGACATAAACATCCAAAACAAGAACTGG
AGTCTCTGCTTCAAAGCATGGAGATGGCACACAATAGTCCCTGAGGGATGAACTGTGTCTTGACTTTTC
CTTTGATTCGCCAGAGAAAAGTTTACCCTGAGCAGCACATTTGACAAGTTGCCAGATGGGTTATCTCTG
GAAGAACAGATAACAGAGGAAGGTGCTGACAGTGAGCTTCTGGTGGGAGACAGCATGGCTGAAGGCACAG
ATCTGTTAGATGAGATGGTGACTGCCACCACCACAGAATCCAGTGGCCTGGAGTTTGTTCATTCCTCC
AGGGCCACAAGCCCTCAAGGCTCTCCCCTTGGTGAGCCACGAAGAGGGCATTGCGGTGATGGAGCAAGCC
GTGCAGACCGACGTGGTGCCGTTGAGCCCTGCCATCTCAGAGCTCATTGAGAGTGTGCTAAAGCTGCAGG
ACTACTGTCCACAAGCTCAGCATCTCCAGATGAATCTGGAGCTGACTCGATGGAAGCTTCTCAGAATC
TATCTCTGCCTTAATGCTTGATTTAACTCCAAGAAGTCTAACTCGGCCATCCTTCTGTCTCCTGTGGAG
ATCCCATTGAGCAAGGGGGCTATGGAAGCCATGCAAAATCGCCTCATGAGAGAGCTAGATTTTGCAGCCT
ACACAGAAGAAAGATTGGACAGTGTCTCTCACTGTCCAGGGCAGTGTGTGAGGCACTACTGGAGCAG
CAATTTCTTGGTGGATCTACTGGCTGTGGCTGCCCTGTGGTACCCACTGTTCTGTGGGCATTGAGTACT
CAGAGAGGGGTACAGATCCTGTCTACAACATCGGAGCTTGTCCGAGGTTGCTGTGTGGTGGCCCTAC
ACTCACTACGCCGACCGCTTCCACATGAAAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229994 representing NM_001285842
Red=Cloning site Green=Tags(s)

MLCRNPLSPSNIHPSYAPSSPSSNSGSYKGSDCSPVMRRSGRYMSCGENHGVKPPNPEQYLTPLQQKEV
TVRHLRKLKESERRLHERESEIMELKSQLARMREDWIEEECHRVEAQLALKEARKEIKQLKQVIETMRS
SLADKDKGIQKYFVDINIQNKLESLLQSMEMAHNSSLRDELCLDFSFDSPEKSLPLSSTFDKLPDGLSL
EEQITEEGADSELLVGD SMAEGTDLLDEMVTATTTESGLEFVHSTPGPQALKALPLVSHEEGIAVMEQA
VQTDVVPFSPAISELIQSVLKLQDYCPTSSASPDESGADSMESFSESISALMLDLTPRSPNSAILLSPVE
IPFSKGAMEAHANRLMRELDFAAYTEERLDSVLSLQGSVVRQYWSSNFLVDLLAVAAPVPTVLWAFST
QRGGTDPVYNIGALLRGCCVVALHSLRRTAFHMKT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

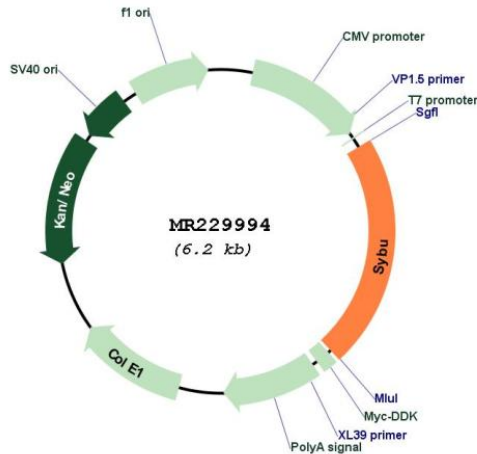
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001285842

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_001285842.1](#), [NP_001272771.1](#)

RefSeq Size: 2439 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]