

Product datasheet for **MR230391**

Sybu (NM_001285844) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sybu (NM_001285844) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sybu
Synonyms:	Golsyn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230391 representing NM_001285844
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAAGTCTATGGAGCTTACTCTCTTAGCAGTGAAGCAGATTTAGCTCCTCGAGCAGCACAGGCAGCA
 TCTCGGCTCCTGAGGTCCACATGTCACGACAGGAAACAAGAGAGCCTTTCTCACGCAACCGAGGCC
 TCATGGGCGGAGCAATGGAGCATCATCCACAAGTCTGGCAGCAGCCACCATCCCAAGGAAAAAGAC
 CTTGTGTCTATGCTGTGCAGGAATCCACTGAGCCCCAGTAACATCCACCCTAGTTACGCCCTTCTTCTC
 CAAGTAGCAGCAACTCCGGCTCTACAAAGGAAGTGATTGTAGTCCAGTCATGAGAAGGTCTGGAAGATA
 CATGTCTTGTGGCGAAAATCACGGTGTCAAACCCCAAATCCAGAACAGTATTTGACTCCTCTGCAGCAG
 AAGGAGGTACAGTGAGGCACCTGAGGACCAAGCTGAAGGAGTCTGAGCGCCGACTCCATGAGAGGGAAT
 CTGAAATCATGGAGCTCAAGTCTCAGCTGGCTCGAATGAGGGAGGACTGGATTGAGGAAGAGTGCCACAG
 AGTGGAGGCTCAGTTGGCACTCAAAGAAGCCAGAAAAGAGATTAACAGCTCAAACAGGTATCGAGACT
 ATGAGGAGCAGCTTGGCTGATAAAGATAAAGGCATTGAGAAGTACTTTGTGGACATAAACATCCAAAACA
 AGAAACTGGAGTCTCTGCTTCAAAGCATGGAGATGGCACACAATAGTTCCTGAGGGATGAACTGTGTCT
 TGACTTTTCTTTGATCCCCAGAGAAAAGTTTACCCCTGAGCAGCACATTTGACAAGTTGCCAGATGGG
 TTATCTCTGGAAGAACAGATAACAGAGGAAGGTGCTGACAGTGAGCTTCTGGTGGGAGACAGCATGGCTG
 AAGGCACAGATCTGTTAGATGAGATGGTACTGCCACCACCACAGAATCCAGTGGCCTGGAGTTTGTTC
 TTCCACTCCAGGGCCACAAGCCCTCAAGGCTCTCCCTTGGTGAAGCAGGAGGGCATTGCGGTGATG
 GAGCAAGCCGTGCAGACCGACGTGGTGGCTTCCAGCCCTGCCATCTCAGAGCTCATTGAGAGTGTCTAA
 AGCTGCAGGACTACTGTCCACAAGCTCAGCATCTCCAGATGAATCTGGAGCTGACTCGATGGAAGCTT
 CTCAGAATCTATCTCTGCCTTAATGCTTGAATTAACCTCAAGAAGTCTAACTCGGCCATCCTTCTGTCT
 CCTGTGGAGATCCCATTCAGCAAGGGGGCTATGGAAGCCATGCAAAATCGCCTCATGAGAGAGCTAGATT
 TTGCAGCCTACACAGAAGAAAGATTGGACAGTGTCTCTCACTGTCCCAGGGCAGTGTTGTGAGGCAGTA
 CTGGAGCAGCAATTTCTTGGTGGATCTACTGGCTGTGGCTGCCCTGTGGTACCCACTGTTCTGTGGGCA
 TTCAGTACTCAGAGAGGGGTACAGATCTGTCTACAACATCGGAGCTTTGCTCCGAGGTTGCTGTGTGG
 TGGCCCTACACTACTACGCCGACCGCTTCCACATGAAAACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230391 representing NM_001285844
 Red=Cloning site Green=Tags(s)

MKVYGYSLSSEADFSSSSSTGSI SAPEVHMSTTGNKRASF SRNRGPHGRSNGASSHKSGSPPSPREKD
 LVSM LCRNPLSPSNIHPSYAPSSPSSNSGSYKSDCSPVMRRSGRYMSCGENHGVKPPNPEQYL TPLQQ
 KEVTVRHLR TKLKE SERRLHERESEIMELKSQLARMREDWIEEECHRVEAQLALKEARKEIKQLKQVIET
 MRSSLADKDKGIQKYFVDINI QNKKLESLLQSMEMAHNSSLRDELCLDFSFDSPEKSLPLSSTFDKLPDG
 LSLEEQITEEGADSELLVGD SMAEGTDLLDEMVTATTTESGLEFVHSTPGPQALKALPLVSHEEGIAVM
 EQAVQTDVVPFSPAISEL IQSVLKLQDYCPTSSASPDESADSMESFSESISALMLDLTPRSPNSAILLS
 PVEIPFSKGAMEAHANRLMRELDFAAYTEERLDSVLSLQSGSVVRQYWSSNFLVDLLAVAAPVVPTVLWA
 FSTQRGGTDPVYNI GALLRGCCVVALHSLRRTAFHMKT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001285844

ORF Size: 1584 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_001285844.1](#), [NP_001272773.1](#)

RefSeq Size: 2398 bp

RefSeq ORF: 1587 bp

Locus ID: 319613

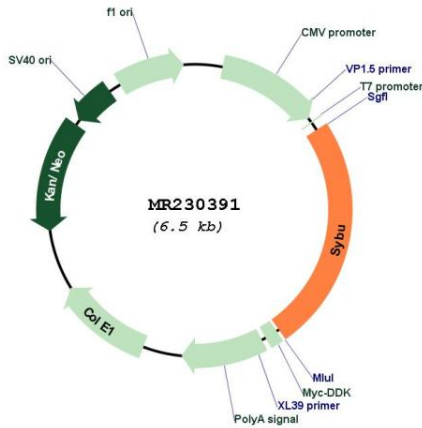
UniProt ID: [Q8BHS8](#)

Cytogenetics: 15 B3.2

MW: 58.4 kDa

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]

Product images:



Circular map for MR230391