

## Product datasheet for **MR230535**

### Sybu (NM\_001285843) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sybu (NM_001285843) 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



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**ORF Nucleotide Sequence:**

>MR230535 representing NM\_001285843  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAAGTCTATGGAGCTTACTCTTATTACTCATAATGTGTGGTTGGCCAAATGGCAGAAGGCTCCA  
 CCCCCGAGAGCATGAGTGTACCGGTGACTGTTATGTTTCCAACCTGTACATGGGTCAAGTTTTAGGCAG  
 TGAAGCAGATTTAGCTCCTCGAGCAGCACAGGCAGCATCTCGGCTCCTGAGGTCCACATGTCCACGACA  
 GAAACAAGAGAGCCTCTTTCTCACGCAACCGAGGCCCTCATGGGCGAGCAATGGAGCATCATCCACA  
 AGTCTGGCAGCAGCCACCATCCCCAAGGGAAAAAGACCTTGTGTCTATGCTGTGCAGGAATCCACTGAG  
 CCCCAGTAACATCCACCCTAGTTACGCCCTTCTTCTCCAAGTAGCAGCAACTCCGGCTCTACAAAGGA  
 AGTGATTGTAGTCCAGTCATGAGAAGGTCTGGAAGATACATGTCTTGTGGCGAAAATCACGGTGTCAAAC  
 CCCCCAAATCCAGAACAGTATTTGACTCCTGCAGCAGAAGGAGGTCACAGTGAGGCACCTGAGGACCAA  
 GCTGAAGGAGTCTGAGCGCCGACTCCATGAGAGGGAATCTGAAATCATGGAGCTCAAGTCTCAGCTGGCT  
 CGAATGAGGGAGGACTGGATTGAGGAAGAGTGCCACAGAGTGGAGGCTCAGTTGGCACTCAAAGAAGCCA  
 GAAAAGAGATTAACAGCTCAAACAGGTATCGAGACTATGAGGAGCAGCTTGGCTGATAAAGATAAAGG  
 CATTGAGAAGTACTTTGTGGACATAAACATCCAAAACAAGAACTGGAGTCTCTGCTTCAAAGCATGGAG  
 ATGGCACACAATAGTTCCTGAGGGATGAAGTGTGTCTTACTTTTCTTTGATTCCCCAGAGAAAAGTT  
 TACCCCTGAGCAGCACATTTGACAAGTTGCCAGATGGGTTATCTCTGGAAGAAGAGATAACAGAGGAAGG  
 TGCTGACAGTGAAGTCTGGTGGGAGACAGCATGGCTGAAGGCACAGATCTGTTAGATGAGATGGTGACT  
 GCCACCACACAGAATCCAGTGGCCTGGAGTTTGTTCATTCCACTCCAGGGCCACAAGCCCTCAAGGCTC  
 TCCCTTGGTGAGCCACGAAGAGGGCATTGCGGTGATGGAGCAAGCCGTGCAGACCGCTGGTGGCCGTT  
 CAGCCCTGCCATCTCAGAGCTCATTGAGAGTGTGCTAAAGCTGCAGGACTACTGTCCACAAAGTCAAGCA  
 TCTCCAGATGAATCTGGAGCTGACTCGATGAAAAGCTTCTCAGAATCTATCTCTGCCTTAATGCTTGATT  
 TAACTCCAAGAAGTCTAACTCGGCCATCCTTCTGTCTCTGTGGAGATCCCATTCAGCAAGGGGCTAT  
 GGAAGCCCATGCAATCGCCTCATGAGAGAGCTAGATTTTGCAGCCTACACAGAAGAAAGATTGGACAGT  
 GTCCTCTACTGTCCCAGGGCAGTGTGTGAGGCAGTACTGGAGCAGCAATTTCTTGGTGGATCTACTGG  
 CTGTGGCTGCCCTGTGGTACCCACTGTCTGTGGCATTCACTACTCAGAGAGGGGGTACAGATCTGT  
 CTAACAACATCGGAGCTTGTCTCCGAGTGTGTGTGGTGGCCCTACACTACTACGCCGACCCGCTTTC  
 CACATGAAAACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230535 representing NM\_001285843  
 Red=Cloning site Green=Tags(s)

MKVYGYSLITHNVLAQMAEGSTPESMSVPVTVMFPTCHMGQVLGSEADFSSSSSTGSISAPEVHMSTT  
 GNKRASF SRNRGPHGRSNGASSHKSGSSPPSPREKDLVSMLCRNPLSPSNIHPSYAPSSPSSNSGSYK  
 SDCSPVMRRSGRYMSCGENHGKPPNPEQYL TPLQQKEVTVRHLRKLKESERRLHERESEIMELKSQLA  
 RMREDWIEEECHRVEAQLALKEARKEIKQLKQVIETMRSSLADKDKGIQKYFVDINIQNKKLESLLQSME  
 MAHNSSLRDELCLDFSFDSPEKSLPLSSTFDKLPDGLSLEEQITEEGADSELLVGD SMAEGTDLLDEMVT  
 ATTTSSGLEFVHSTPGPQALKALPLVSHEEGIAVMEQAVQTDVVPFSPAISELIQSVLKLQDYCPTSSA  
 SPDESGADSMESFSEISALMLDLTPRSPNSAILLSPVEIPFSKGAMEAHANRLMRELDFAAYTEERLDS  
 VLSLSQGSVVRQYWSSNFLVDLLAVAAPVVPTVLWAFSTQRGGTDPVYINIGALLRGCCVVALHSLRRTAF  
 HMKT

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

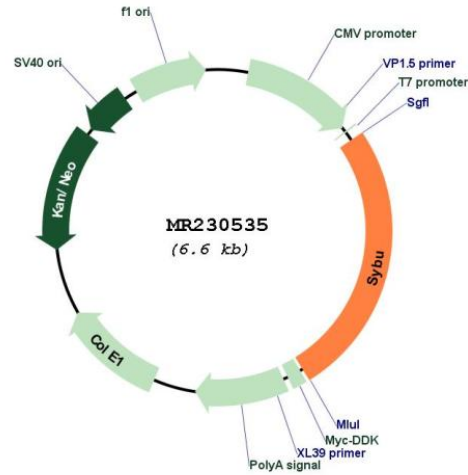
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001285843  
 ORF Size: 1692 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001285843.1</a> , <a href="#">NP_001272772.1</a>
<b>RefSeq Size:</b>	2506 bp
<b>RefSeq ORF:</b>	1695 bp
<b>Locus ID:</b>	319613
<b>UniProt ID:</b>	<a href="#">Q8BHS8</a>
<b>Cytogenetics:</b>	15 B3.2
<b>MW:</b>	62.3 kDa
<b>Gene Summary:</b>	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]