

Product datasheet for **MR222067**

Sybu (NM_001032727) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Sybu (NM_001032727) 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:

>MR222067 representing NM_001032727
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACACGGTCTGCAAAGGAAACGATGACACAGTTGTCCAGCAGCCAGTCGGTATCGCCTGTGAAGA
 CTCCTTCAGACACAGGGCACAGTCCCATTGGCTTTTGCCCTGGAAGCGATGAAGACTTTACCAGGAAGAA
 ATGCAGGATTGGAATGGTTGGTGAGGGAAGTATTCAGTCAGCTCGTCATAAAAAAGAACCAAGGGAGGC
 ATCATAAAGCCAGGCAGTGAAGCAGATTTAGCTCCTCGAGCAGCACAGGCAGCATCTCGGCTCCTGAGG
 TCCACATGTCCACGACAGGAAACAAGAGAGCCTTTTCTCACGCAACCGAGGCCCTCATGGGCGGAGCAA
 TGGAGCATCATCCACAAGTCTGGCAGCAGCCACCATCCCAAGGAAAAAGACCTTGTGTCTATGCTG
 TGCAGGAATCCACTGAGCCCCAGTAACATCCACCCTAGTTACGCCCTTCTTCTCCAAGTAGCAGCAACT
 CCGGCTCTCAAAGGAAGTGATTGTAGTCCAGTCATGAGAAGGTCTGGAAGATACATGTCTTGTGGCGA
 AAATCACGGTGTCAAACCCCAAATCCAGAACAGTATTTGACTCCTCTGCAGCAGAAGGAGGTACAGTG
 AGGCACCTGAGGACCAAGCTGAAGGAGTCTGAGCGCCGACTCCATGAGAGGGAATCTGAAATCATGGAGC
 TCAAGTCTCAGCTGGCTCGAATGAGGGAGGACTGGATTGAGGAAGAGTGCCACAGAGTGGAGGCTCAGTT
 GGCACTCAAAGAAGCCAGAAAAGAGATTAACAGCTCAAACAGGTCATCGAGACTATGAGGAGCAGCTTG
 GCTGATAAAGATAAAGGCATTGAGAAGTACTTTGTGGACATAAACATCCAAAACAAGAACTGGAGTCTC
 TGCTTCAAAGCATGGAGATGGCACACAATAGTTCCTGAGGGATGAAGTGTCTTACTTTTCTTTGA
 TCCCCAGAGAAAAGTTTACCCCTGAGCAGCACATTTGACAAGTTGCCAGATGGTTATCTCTGGAAGAA
 CAGATAACAGAGGAAGGTGCTGACAGTGAAGTCTTGGTGGGAGACAGCATGGCTGAAGGCACAGATCTGT
 TAGATGAGATGGTGACTGCCACCACAGAATCCAGTGGCTGGAGTTTGTTCATCCACTCCAGGGCC
 ACAAGCCCTCAAGGCTCTCCCTTGGTGAGCCACGAAGAGGGCATTGCGGTGATGGAGCAAGCCGTGCAG
 ACCGACGTGGTGCCGTTAGCCCTGCCATCTCAGAGCTCATTGAGTGTGCTAAAGCTGCAGGACTACT
 GTCCACAAGCTCAGCATCTCCAGATGAATCTGGAGCTGACTCGATGGAAGCTTCTCAGAATCTATCTC
 TGCCTTAATGCTTGATTTAACTCCAAGAAGTCTAACTCGGCCATCCTTCTGTCTCTGTGGAGATCCCA
 TTCAGCAAAGGGGCTATGGAAGCCATGCAAAATCGCCTCATGAGAGAGCTAGATTTTGCAGCCTACACAG
 AAGAAAGATTGGACAGTGTCTCTCACTGTCCAGGGCAGTGTGTGAGGCAGTACTGGAGCAGCAATTT
 CTTGGTGGATCTACTGGCTGTGGCTGCCCTGTGGTACCCACTGTTCTGTGGCATTGACTACTCAGAGA
 GGGGTACAGATCTGTCTACAACATCGGAGCTTTGCTCCGAGGTTGCTGTGTGGTGGCCCTACACTCAC
 TACGCCGACCGCTTTCCACATGAAAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222067 representing NM_001032727
 Red=Cloning site Green=Tags(s)

MDTVCKGNDTGCPSQSVPVTPSDTGHSPIGFCPSDEDFTRKKCRIGMVGEGSIQSARHKKEPKGG
 IIKPGSEADFSSSSSTGSI SAPEVHMSTTGNKRASF SRNRGPHGRSNGASSHKS GSSPPSPREKDLV SML
 CRNPLSPSNIHPSYAPSSPSSNSGYSKSDCSPVMRRSGRYMSCGENHGVKPPNPQYL TPLQQKEVTV
 RHLR TKLKE SERRLHERESEIMELKSQLARMREDWIEEECHRVEAQLALKEARKEIKQLKQVIETMRSSL
 ADKDKGIQKYFVDINI QNKLESLLQSMEMAHNSSLRDELCLDFSFDSPEKSLPLSSTFDKLPDGLSLEE
 QITEEGADSELLVGD SMAEGTDLLDEMVTATTTESGLEFVHSTPGPQALKALPLVSHEEGIAVMEQAVQ
 TDVVPFSPAISELIQSVLKLQDYCPTSSASPDES GADSMESFSEI SALMLDLTPRSPNSA ILLSPVEIP
 FSKGAMEAHANRLMRELDFAAYTEERLDSVLSL SQGSVVRQYWSSNFLVDLLAVAAPVVPTVLWAFSTQR
 GGTD PVYNI GALLRGCCVVALHSLRRTAFHMKT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

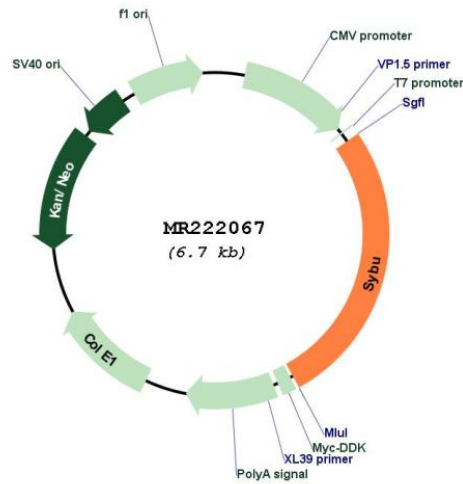
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001032727

ORF Size: 1779 bp

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|-------------------------------|---|
| 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: | <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_001032727.1 , NP_001027899.1 |
| RefSeq Size: | 2948 bp |
| RefSeq ORF: | 1782 bp |
| Locus ID: | 319613 |
| UniProt ID: | Q8BHS8 |
| Cytogenetics: | 15 B3.2 |
| MW: | 65.1 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] |