

Product datasheet for **MG207784**

Syt16 (BC056932) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syt16 (BC056932) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Syt16
Synonyms:	6430703N11, Strep14, syt14r
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207784 representing BC056932
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTAGCAAAGAAGGAGGAGGAGAAGGAGAAGAAATTATTCACAATGTTAACAGCTTTGGGGATGATG
 AAGAGCCATCCACATCTTCTGAGAGTGATGAAGATGTGACTAAGCAATTCAAGATCTCAGTGTCCCGATC
 CCAGAGTTTTTCGTTCAAGAGTATCTGAGAAGGGAAGACAACAGAGTTGGAGCAGAAAAATAAATGCAAA
 CGTTTGCTGTGTACCCACCAGGAAGACAGCGCTGAAGGGTCTGCTTGTGAAGATTGGATCGAACCAGCC
 AACTTAGTTATTCTGAGATTCTGTCTTATGAAGACCGCCCATTTCCATTCTCCACAATCCCCCTTCGA
 GAGCAGGAACGTAGGCATCATGGCCCTTGCCGTCCGAGATGGGCATGGTCCGAAGCCTCGTCTGTCT
 TGTGCAGATGGCGTCTGGAGACGGAGACAGCTTTTGTGAGTCGGGGCTTTGAAGATTCCTATGCCACCC
 ACAGTTCTCTCTGTGGAGTCCAGAGGAGCAGGATGGCACCAGTCTGCAGGTACACACAGGCTTTTGA
 GCCTATCTCAAAATGCGGTGACCTCGATGTCATCTTTGAATATAGAGCTGAACCCAGAAGCTCACTGTG
 ACCATTGTGAGAGCACAGGGTCTCCAGATAAGGACCGAAGTGGTGTCAACTCTTGGCAAGTTCACATAG
 TGCTGCTGCCAGCAAGAAACAGAGGGGTAAAGCAACATACAGAGAGGGCCCAACCTGTCTTCAAGGA
 AAAGGTCACCTTCACCAAGCTGGAGCCCAGAGATGTGGCTTCTGTGCTGCCGCTTCCGCTGTATGCT
 GCGCGTAAGATGACCCGGGAGAGAATGATGGGGGAGAAGCTGTTCTGTCTCAGCCACTTGACCCAGAAG
 GGGAAATGAAAGTGACTCTGTTCTGGAGCCAAGAAGTAATCTGAGCAGTGGAGAGTCTCCGCTCAGCCC
 ATCTGTGGTGTCTCAGTGACAGTGCTTCATCCACGCAGTCACTGTCTCATGGAGGGTGCCAGAGCTG
 CTGGTGGGACTGTCCTACAATGCCACAACAGGGCGATTATCTGTGAAATGATCAAAGGCAGCCATTTC
 GCAACCTCGCTGCTAACCGAGCTCCTGACACATATGGAAGTCTTCTCCTCACTGTGTGGGTCAAGA
 GATGTCCCGCTGCAAGAGCTCCATTCTGTCGTGGCCAACCAATCCTGTCTATAAAGAGACCTTTGTCTTC
 CAGGTGGCCCTCTCCAGCTCTCGGACGTACCTTGATGATTTCCATTTACAGCAGGCGCACTATGAAGC
 GTAAAGAGATGATCGGCTGGGTGCTCTGGGCCAGAACAGCAGTGGGAGGAGGAGCAGGAACACTGGGA
 GGAATGAAGGAAAGCAAGGGCCAGCAGACCTGCCGTTGGCATACGCTGTTGGAATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207784 representing BC056932
 Red=Cloning site Green=Tags(s)

MTSKEGGEGEEIIHVNVSFGDDEEPSTSSSEDEDVTQFKISVSRSSQFRSGVSEKGTTELEQKIKCK
 RLLCTHQEDSAEGSACEDLDRTSQLSYSEILSYEDRPISILPQSPFESRNVRRHGPCRPEMGMVRSRGRP
 CADGVLETETAFVSRGFEDSYATHSSSLWSPEEQDGTSLQVPHRLLEPISKCGDLVDVIFEYRAVTQKLTV
 TIVRAQGLPDKDRSGVNSWQVHIVLLPSKKQRGKTNIQRGNPNVFKEKVTFTKLEPRDVASCAVRFRLYA
 ARKMTREMMGEKLFCLSHLHPEGEMKVTLVLEPRSNLSSGESPLSPSVVSHSDSASSTQSLSHGGVPEL
 LVGLSYNATTGRLSVEMIKGSHFRNLAANRAPDTYGKLFLLNCVQEMSRCKTSIRRGQPNPVYKETFFV
 QVALFQLSDVTLMSIYSRRTMKRKEMIGWVALGQNSSGEEEQEHWEEMKESKGQQTCTRWHTLLES

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC056932

ORF Size: 1458 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC056932](#), [AAH56932](#)

RefSeq Size: 2829 bp

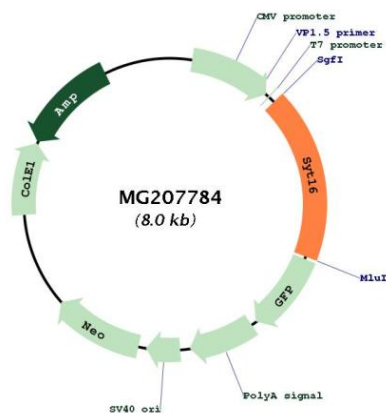
RefSeq ORF: 1460 bp

Locus ID: 238266

Cytogenetics: 12 C3

Gene Summary: May be involved in the trafficking and exocytosis of secretory vesicles in non-neuronal tissues. Is Ca(2+)-independent.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207784