

Product datasheet for **MR207784**

Syt16 (BC056932) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syt16 (BC056932) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Syt16
Synonyms:	6430703N11, Strep14, syt14r
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207784 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTAGCAAAGAAGGAGGAGGAGAAGGAGAAGAAATTATTCACAATGTTAACAGCTTTGGGGATGATG
 AAGAGCCATCCACATCTTCTGAGAGTGATGAAGATGTGACTAAGCAATCAAGATCTCAGTGCCCGATC
 CCAGAGTTTTCGTTCAGGAGTATCTGAGAAGGGAAAGACAACAGAGTTGGAGCAGAAAAATAAATGCAAA
 CGTTTGTGTGTACCCACCAGGAAGACAGCGCTGAAGGGTCTGCTTGTGAAGATTTGGATCGAACCGCC
 AACTTAGTTATTCTGAGATTCTGTCTTATGAAGACCGCCCATTTCCATTCTCCACAATCCCCCTCGA
 GAGCAGGAACGTAGGCATCATGGCCCTTGCCTCCGGAGATGGGCATGGTCCGAAGCCTCGTCTGCTCT
 TGTGCAGATGGCGTCTGGAGACGGAGACAGCTTTTGTGAGTCCGGGCTTTGAAGATTCCTATGCCACCC
 ACAGTTCTCTCTGTGGAGTCCAGAGGAGCAGGATGGCACCAGTCTGCAGGTACCACACAGGCTTTTGA
 GCCTATCTCAAAATGCGGTGACCTCGATGTCATCTTTGAATATAGAGCTGTAACCCAGAAGCTCACTGTG
 ACCATTGTGAGAGCACAGGGTCTCCAGATAAGGACCGAAGTGGTGTCAACTCTTGGCAAGTTCACATAG
 TGCTGCTGCCAGCAAGAAACAGAGGGGTAAAGCAACATACAGAGAGGGCCCAACCTGTCTTCAAGGA
 AAAGGTACCTTCACCAAGCTGGAGCCCAGAGATGTGGCTTCTGTGCTGTCCGCTTCCGCTGTATGCT
 GCCCGTAAGATGACCCGGGAGAGAATGATGGGGGAGAAGCTGTTCTGTCTCAGCCACTTGACCCAGAAG
 GGGAAATGAAAGTGACTCTGTTCTGGAGCCAAGAAGTAATCTGAGCAGTGGAGAGTCTCCGCTCAGCCC
 ATCTGTGGTGTCTCACAGTGACAGTGTTCATCCACGCAGTCACTGTCTCATGGAGGGTCCAGAGCTG
 CTGGTGGGACTGTCTACAATGCCACAACAGGGCGATTATCTGTGAAATGATCAAAGGCAGCCATTTCC
 GCAACCTCGCTGCTAACCGAGTCTCTGACACATATGAAAACCTTCTCTCACTGTGTGGGTCAAGA
 GATGTCCCGCTGCAAGAGTCCATTCTGTGCGGCCAACCAATCCTGTCTATAAAGAGACCTTTGTCTTC
 CAGGTGGCCCTCTCCAGCTCTCGGACGTACCTTGATGATTTCCATTTACAGCAGGCGCACTATGAAGC
 GTAAGAGATGATCGGCTGGGTGCTCTGGGCCAGAACAGCAGTGGGGAGGAGGAGCAGGAACACTGGGA
 GAAATGAAGGAAAGCAAGGGCCAGCAGACCTGCCGGTGGCATACGCTGTTGGAATCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207784 protein sequence
 Red=Cloning site Green=Tags(s)

MTSKEGGEGEEIIHNVNSFGDDEEPSTSESDEDVTKQFKISVRSRSQFRSGVSEKGTTELEQKIKCK
 RLLCTHQEDSAEGSACEDLDRTSQLSYSEILSYEDRPISILPQSPFESRNVRRHGGPCRPEMGMVRSRSLGRP
 CADGVLETETAFVSRGFEDSYATHSSSLWSPEEQDGTSLQVPHRLLEPI SKCGDLDVIFEYRAVTQKLTV
 TIVRAQGLPDKDRSGVNSWQVHIVLLPSKKQRGKTNIQRGPNPVFKEKVTFTKLEPRDVASCAVRFRLYA
 ARKMTREMMGEKLFCLSHLHPEGEMKVTLVLEPRSNLSSGESPLSPSVVSHSDSASSTQSLSHGGVPEL
 LVGLSYNATTGRLSVEMIKGSHFRNLAANRAPDITYGKFLNLCVQEMSRCKTSIRRGQPNPVYKETFVF
 QVALFQLSDVTLMIISIYSRRTMKRKEMIGWVALGQNSSGEEEQEHWEEMKESKGQQTCTRWHTLLES

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:


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.

RefSeq: [BC056932](#), [AAH56932](#)
RefSeq Size: 2829 bp

RefSeq ORF: 1460 bp

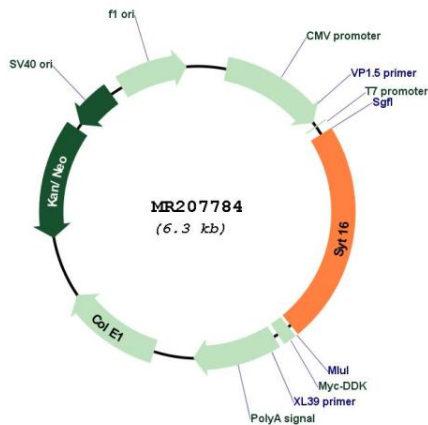
Locus ID: 238266

Cytogenetics: 12 C3

MW: 54.4 kDa

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 MR207784