

Product datasheet for **MR219316**

Syt16 (NM_172804) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syt16 (NM_172804) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Syt16
Synonyms:	6430703N11; Strep14; Syt14l; syt14r
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR219316 representing NM_172804
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGACTGACATCACTCCTGAAGCCATTGGCTTCTGTCTGCAATTGGGGTCTTTGTTGTCCTTCTGG
 CTGTCCTTCTCCTTTCATCAACAAGAAGCTATGCTCTGAAAACCTAAGAGGGCATCCATACCCGGAGCA
 ACGAGGGAAGAGAAAGCACTCGAGAGACAAGACTGGAGGCCACACAGAACTGTTAACAGCTTTGGGGAT
 GATGAAGAGCCATCCACATCTTCTGAGAGTGATGAAGATGTGACTAAGCAATTCAAGATCTCAGTGTCCC
 GATCCCAGAGTTTTCTGTTCCAGGAGTATCTGAGAAGGGAAAGACAACAGAGTTGGAGCAGAAAATAAAATG
 CAAACGTTTGTGTGTACCCACCAGGAAGACAGCGCTGAAGGGTCTGCTTGTGAAGGTATTCATTGCAGT
 GCATTGCATTGCAGGCAAGGGCAGGTCAATGATTTGGATCGAACCAGCCAACTTAGTTATTCTGAGATTC
 TGTCTTATGAAGACCGCCCATTTCCATCTCCACAATCCCCCTCGAGAGCAGGAACGTACGGCACCA
 TGGCCCTTGCCGTCCGGAGATGGGCATGGTCCGAAGCCTCGGTGCTCCTTGTGCAGATGGCGTCTGGAG
 ACGGAGACAGCTTTTGTGAGTCGGGGCTTTGAAGATTCCTATGCCACCCACAGTTCTCTGTGGAGTC
 CAGAGGAGCAGGATGGCACCAGTCTGCAGTACCACACAGGCTTTTGGAGCCTATCTCAAAATGCGGTGA
 CCTCGATGTCATCTTTGAATATAGAGCTGTAACCCAGAAGCTCACTGTGACCATTGTGAGAGCACAGGGT
 CTCCCAGATAAGGACCGAAGTGGTGTCAACTCTTGGCAAGTTCACATAGTGTGCTGCTGCCAGCAAGAAAC
 AGAGGGGTAAAGACGAACATACAGAGAGGGCCCAACCCTGTCTTCAAGGAAAAGGTACCTTACCAAGCT
 GGAGCCCAGAGATGTGGCTTCTGTGCTGTCCGCTTCCGCTGTATGCTGCCCGTAAGATGACCCGGGAG
 AGAATGATGGGGGAGAAGCTGTTCTGTCTCAGCACTTGACCCAGAAGGGGAAATGAAAGTACTCTGG
 TTCTGGAGCCAAGAAGTAACTGAGCAGTGGAGAGTCTCCGCTCAGCCCATCTGTGGTGTCTCACAGTGA
 CAGTGCTTCATCCACGCAGTCACTGTCTCATGGAGGGGTGCCAGAGCTGCTGGTGGGACTGCTCTACAAT
 GCCACAACAGGGCGATTATCTGTGAAAATGATCAAAGGCAGCCATTTCCGCAACCTCGCTGCTAACCGAG
 CTCCTGACACATATGAAAACCTTCTCCTCAACTGTGTGGGTCAAGAGATGTCCCGCTGCAAGACGTC
 CATTGCTGCTGGCCAACCCAATCCTGTCTATAAAGAGACCTTTGTCTTCCAGGTGGCCCTTCCAGCTC
 TCGACGTCACCTTGATGATTTCCATTTACAGCAGGCGCACTATGAAGCGTAAAGAGATGATCGGCTGGG
 TCGCTCTGGGCCAGAACAGCAGTGGGGAGGAGGAGCAGGAACACTGGGAGGAAATGAAGGAAAGCAAGG
 CCAGCAGACCTGCCGGTGGCATAACGCTGTTGGAATCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219316 representing NM_172804
 Red=Cloning site Green=Tags(s)

MATDITPEAIGFLSAIGVFVLLAVLLLFINKKLSENLRGHPYPEQRGKRKHSRDKTGGHTGTVNSFGD
 DEEPSTSSSEDEDVTKQFKISVRSQSFRSGVSEKGTTELEQKIKCKRLLCTHQEDSAEGSACEGIHCS
 ALHCRQGQVNDLDRTSQLSYSEILSYEDRPIISILPQSPFESRNRHHGPCRPMEGMVRSRGRPCADGVLE
 TETAFAVSRGFEDSYATHSSLSWPEEQDGTSLQVPHRLLEPISKCGDLDFEYRAVTKLTVTIVRAQG
 LPDKDRSGVNSWQVHIVLLPSKKQRGKTNIQRGPNPVFKEKVTFTKLEPRDVASCAVRFRLYAARKMTR
 RMMGEKLFCLSHLHPEGEMKVTLVLEPRSNLSSGESPLSPSVVSHSDSASSTQSLSHGGVPELLVGLSYN
 ATTGRLSVEMIKGSHFRNLAANRAPDTYGKLFLLNCVQGQEMSRCKTSIRRGQPNPVYKETFVFQVALFQL
 SDVTLMISIIYSRRTMKRKEMIGWVALGQNSSGEEEQEHWEEMKESKGQTCRWHTLLES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

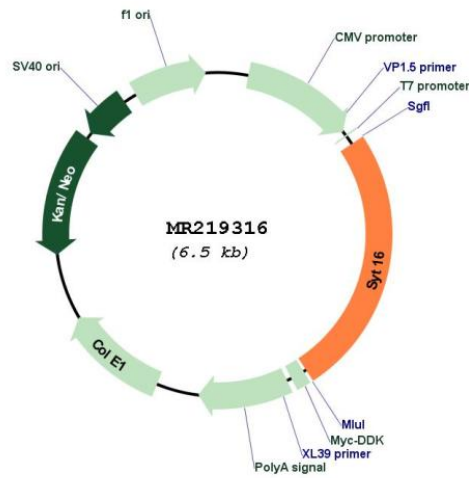
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_172804
ORF Size:	1647 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:	<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_172804.3
RefSeq Size:	2705 bp
RefSeq ORF:	1650 bp
Locus ID:	238266
UniProt ID:	Q7TN83
Cytogenetics:	12 C3
MW:	61.8 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]