

Product datasheet for MR203065

Syt11 (BC025207) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syt11 (BC025207) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Syt11
Synonyms:	3632445O20Rik, 1500004A13Rik, 5430404N14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203065 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGACCAGACCCAGGGCTCCGATCCCTACATCAAAATGACCATTCTCCGGACAAGCGGCATCGAG
TGAAGACCCGAGTGCTTCGCAAGACGCTGGACCCGGTGTTCGATGAGACCTTCACCTTCTACGGCATCCC
GTACAGCCAGCTGCAGGACCTGGTGTGCTTTCCTGGTGTGCTCAGCTTTGATCGATTCTCTCGGGATGAC
GTCATCGGAGAGGTCATGGTGCCATTGGCTGGAGTGGACCCAGCACAGGCAAGGTTAGCTGACCAGGG
ACATCATCAAGAGGAACATTCAGAAGTGCATTAGCAGAGGGGAATCCAGGTATCTCTGTCATACCAGCC
CGTCGCACAGAGAATGACAGTGGTGGTCCCTCAAAGCCAGACACTTGCCGAAGATGGATATCACCGGTCTC
TCAGGTAATCCTTATGTCAAGGTGAACGCTACTACGGCAGAAAACGCATTGCCAAGAAGAAAACCATG
TAAAGAAGTGCATTTGAACCCCGTCTTCAATGAGTCGTTTCACTATGACATCCCCACCGACCTTCTGCC
TGATATCAGCATCGAGTTCCTTGTGCTTTCGATCGACTACTAAGAATGAGGTGGTAGGGAGGCTG
ATCTTGGGGGCACACAGTGTCAACCAGTGGTGCAGAACACTGGAGAGAGGTCTGCGAGAGTCCCCGCA
AGCCCATAGCCAAGTGGCACAGTCTGAGCGAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203065 protein sequence
 Red=Cloning site Green=Tags(s)

MDDQTQGSDPYIKMTILPDKRHRVKTRVLRKTLDPVFDEFTTFYGI PYSQLQDLVLHFLVLSFDRFSRDD
 VIGEVMPVPLAGVDPSTGKVQLTRDIIKRNIQKCSRGELQVLSYQPV AQRMTVVVLKARHLPKMDITGL
 SGNPYVKVNVYYGRKRIAKKKTHVKKCTLNPVFNESFIYDIPTDLLPDISIEFLVIDFDRTTKNEVVGRL
 ILGAHSVTTSGAEHWREVCESPRKPIAKWHSLSSEY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC025207

ORF Size: 735 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: [BC025207](#), [AAH25207](#)

RefSeq Size: 1097 bp

RefSeq ORF: 737 bp

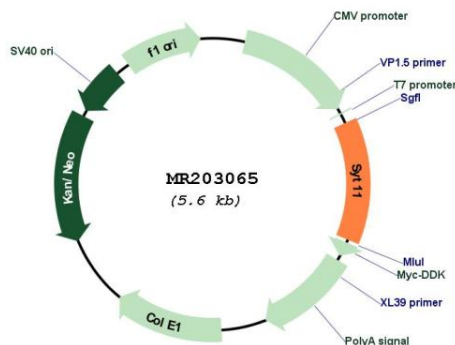
Locus ID: 229521

Cytogenetics: 3 38.96 cM

MW: 28.1 kDa

Gene Summary: May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203065