

Product datasheet for **MR206864**

Syt11 (NM_018804) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syt11 (NM_018804) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Syt11
Synonyms:	1500004A13Rik; 3632445O20Rik; 5430404N14Rik; 6530420C11Rik; AI851970
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206864 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGAGATCACAAATATACGCCCCAGCTTTGATGTGTACCGGTAGCGGCTGGCCTCATCGGGCCT
 CCGTGCTGGTGGTGTGTGTTTCAGTGACTGTCTTTGTGTGGACGTGCTGCCACCAGCAGGCAGAGAAGAA
 GCACAAGACCCCGCCATACAAGTTCATTATATGCTGAAAGGCATTAGCATCTACCCAGAGACCCTCAGC
 AACAAAGAAGAAAATCATCAAAGTTCGGAGAGACAAAGATGGCCCTCGGAGGGAAAGTGGACGAGGGAACC
 TGTTAATAAACCGCGGAGTCTGGCCTGCTGAGCCACGACAAGGATCCCAGAGGGCCTAGCCCTGCATCTTG
 TATGGACCAGTTACCCATCAAAGAGACTATGGGAAGAAGTGGAGAGCCCATGACAAGCCTGACCCCT
 GGTGAGAGCAAAGCCACCTCCCATCCTCGCCAGAGGAAGACGTGATGTTAGGCTCTCTTACCTTCTCCG
 TGGACTACAACCTTCCCAAGAAAGCTCTGGTGGTGACAATCCAAGAGGCTCACGGGCTGCCAGTGATGGA
 TGACCAGACCCAGGGCTCCGATCCCTACATCAAATGACCATTCTCCCGACAAGCGGCATCGAGTGAAG
 ACCCGAGTGCTTCGCAAGACGCTGGACCCGGTGTTCGATGAGACCTTACCTTCTACGGCATCCCGTACA
 GCCAGCTGCAGGACCTGGTGTGCTGATTTCTGGTGTCTAGCTTTGATCGATTCTCTCGGGATGACGTCAT
 CGGAGAGGTGATGGTGCCATTGGCTGGAGTGGACCCAGCACAGGCAAGGTTGAGCTGACCCAGGGACATC
 ATCAAGAGGAACATTCAGAAGTGCATTAGCAGAGGGGAAGTCCAGGTATCTCTGTGATACCCAGCCGTCG
 CACAGAGAATGACAGTGGTGGTCTCAAAGCCAGACACTTCCCAAGATGGATATCACCGGCTCTCTCAGG
 TAATCCTTATGTCAAGGTGAACGCTACTACGGCAGAAAACGCATTGCCAAGAAGAAAACCCATGTAAG
 AAGTGCACCTTGAACCCCGTCTCAATGAGTGTTCATCTATGACATCCCACCGACCTTCTGCCTGATA
 TCAGCATCGAGTTCCTTGTGCTTACTGACTTCGACTCGCACTACTAAGAATGAGGTGGTAGGGAGGCTGATCTT
 GGGGGCACACAGTGTACAACCAAGTGGTGGCAACTGGAGAGAGGTCTGCGAGAGTCCCGCAAGCCC
 ATAGCCAAGTGGCACAGTCTGAGCGAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206864 protein sequence
 Red=Cloning site Green=Tags(s)

MAEITNIRPSFDVSPVAAGLIGASVLVVCVSVTVFVWTCCHQQAIEKHKTPPYKFIHMLKGISIYPETLS
 NKKKIIKVRDKDGPRESGRGNLLINAESGLLSHDKDPRGSPASCMDQLPIKRDYGEELRSPMSTLTP
 GESKATSPSSPEEDVMLGSLTFSVDYNFPKKALVVTIQEAHGLPVMDQQTQSDPYIKMTILPDKRHRVK
 TRVLRKTLDPVFDETFYFYGIPYSQLQDLVLFHFLVLSFDRFSRDDVIGVMVPLAGVDPSTGKVQLTRDI
 IKRNIQKCI SRGELQVLSYQPVAQRMTVVVLKARHLPKMDITGLSGNPVYKVVVYGRKRIAKKTHVK
 KCTLNPFVNFESFIYDIPTDLLPDISIEFLVIDFDRITTKNEVVGRLLILGAHSVTTSGAEHWREVCESPRKP
 IAKWHSLSEY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_018804

ORF Size: 1293 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: [NM_018804.3](#), [NP_061274.2](#)

RefSeq Size: 4585 bp

RefSeq ORF: 1293 bp

Locus ID: 229521

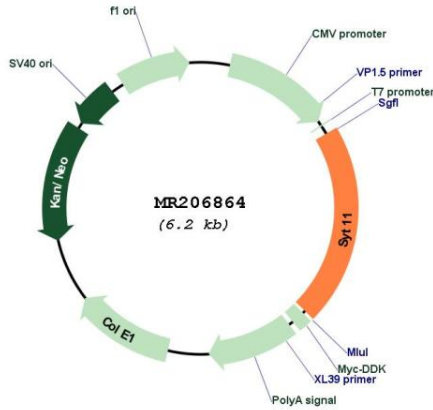
UniProt ID: [Q9R0N3](#)

Cytogenetics: 3 38.96 cM

MW: 48.3 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 MR206864