

Product datasheet for **RR209494**

Syt15 (NM_181632) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syt15 (NM_181632) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Syt15
Synonyms:	sytXV
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR209494 representing NM_181632
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCAGAGCAGCTGGCCTTGGTGATAGGATGCATCATTGGGGGGCTGCTGCTGCTGATCGGAATCAGCT
 GCTGTCTGTGGAAGAGGCTTTGTACCACCTTCACCTATGAGGAACTGCCAGAGACAGCAGACACGGCCAC
 CAGCTCTTCTTCAGCAAAAAAGAGGAGAGGCCCTGCCGGTATGCTGGAATCCCATCTGTGAGGCTACCA
 AGTGTACCTTTTGTGGTACCCCTTCTACCAAGGCCGAGACTGGGTACGCCTACATGGTGGTACTGGG
 CTGTGGCCCCACAGGACCCCTGCCCTGTCCAGAGCACATAACCTGCACCTCGAGTCTGCTGCTGGCCA
 GACCTCCCTCCCCTTGTGTGAATGGGGAGCATCAACCCGAGCTGTACAAGTCTCAGAGGACGTGAGC
 GAGGGGGGCTTCCCGATGGCTGCCTGGCCGGCTGTGGTTCTCGGTGGAGTACCAGCAGGAGTCCGAGC
 GGCTGCTGGTGGACCTGATCAAGGCCCAGCACCTGCAAGTTCCCGCTGAGACCTGCAGCACGCTGGTGAA
 GCTCCACCTGCTGCCTGACAAGCGCGTTCCTTCAGTCCAAGGCCAAACGCAAACTTGCAACCCACAG
 TTTGATGAGAGCTTCATCTTTCAGGTATCCAGCAAAAGTGTGCCAGAGGGTGTGAAGTTCTCCGTGT
 ACCACGTAACAAGCAGAGGAAGCACCAGCTCCTGGGCCAGGTGCTGTTCCCACTGAAGAATGAGACCTT
 GGCAGGGGACCGCCACCGTGTATCTGGAGAGACCTGGAAGCTGAGAACCTGGAGCCCCTCTCGGAGTTT
 GGTGATCTCCAGTTCTGCCTCAGCTACAACGACTACCTGAGCCGCTGACTGTGGTCTGCTCCGGGCCA
 AGGGTCTCCAGCTCCAGGAAGACAGGGGTGTGTGTCAGCGTGTGTGTCAGGTGTCTCTGATGAATCACA
 CAAATTCGTCAAGTGCAAGAGGACTTCGGCTGTACTGGGCTCCGTCAACCCCGTGTACAATGAAACCTTC
 AGCTTCAAGGCTGATGCCAATGAGCTGGACACCGCCAGCCTTAGCCTGGTGGTGTGTCAGATCACAGAAG
 GGGACAAGAGCTACCCACTGGGCCGAGTGGTAGTGGGCCCTACATGTACACCCGTGGCAAGAGCTTGA
 GCACTGGAATGAGATGCTCCGCAAGCCGAAGGAGCTGGTAAGCGCTGGCACGCGCTCTGCCGCCCATG
 GAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209494 representing NM_181632
 Red=Cloning site Green=Tags(s)

MAEQLALVIGCIIGLLLLIGISCLWKRLCTTFTYEELPETADTATSSSFSKKEERPCRYAGIPSVRLP
 SVPFVPPSHQGRDWRLHGGDWAVAPQDPCVPEHITCTSSPAAGQTSPLCVMGSINPELYKSSSEDVS
 EAGFPDGLGRLWFSVEYQQESERLLVDLIKAQHLQVPAETCSTLVKLHLLPDKRRFLQSKAKRKTCPNQ
 FDESFIQVSSKSVAQRVLKFSVYHVNKQRKHQLLGQVLFPLKNETLAGDRHRVIWRDLEAENLEPLSEF
 GDLQFCLSYNDYLSRLTVVVLRAKGLQLQEDRGVVSFVKVSLMNHNFVKCKRTSAVLGSYNPVYNETF
 SFKADANELDTASLSLVVLQITEGDKSYPLGRVVVGPYMYTRGKELEHWNEMLRKPKELVKRWHALCRPM
 EP

TRTRPLE**QKLISEEDLA**AND**I**LDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_181632

ORF Size: 1266 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_181632.2](#), [NP_853663.2](#)

RefSeq Size: 4070 bp

RefSeq ORF: 1269 bp

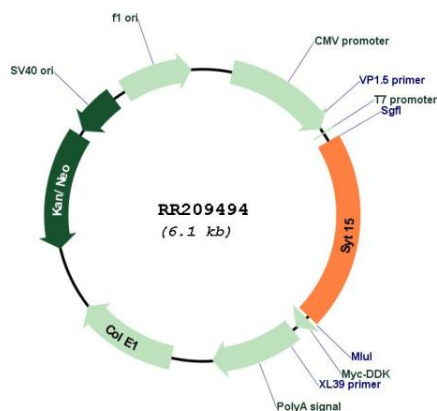
Locus ID: 306285

Cytogenetics: 16p15

MW: 47.6 kDa

Gene Summary: putative calcium-independent synaptotagmin protein that participates in membrane transport [RGD, Feb 2006]

Product images:



Circular map for RR209494