

Product datasheet for RN205062

Syt7 (NM_021659) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syt7 (NM_021659) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Syt7
Synonyms:	SytVII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205062 representing NM_021659 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTACCGGGACCCGGAGGGCGGCCAGCCAGGGGCACCCACCCGCGATGTCCTGCTGGTCTCTGCAATCA
TCACCGTCAGCCTTAGCGTCACTATCGTCTCTGCGGCCGTGCCACTGGTGTGACGCGAAACTGGGCAA
ACGCTACAAGAACTCCTTGGAGACGGTGGGCACGCCAGACTCGGGGCGTGGGCGCGGTGAGAAGAAAGCC
ATCAAGTTGCCTGCAGGAGGGAAGGCTGTGAATACAGCCCAAGTCCCGGCCAGACGCCACATGATGAGT
CTGACCGCAGAACGGAGCCCGTTCCTCTGTCTCGGACCTCGTCAACTCCCTTACCAGCGAGATGCTCAT
GCTCTCCCAGGCTCCGAGGAGGATGAGGCCCATGAGGGCTGCAGCCGAGAGAACCTGGGCCGAATCCAG
TTCAGTGTGGCTACAACCTCCAGGAGTCCACACTCACCGTGAAAGTCATGAAGGCCAGGAGCTGCCGG
CCAAGGACTTCAGTGGCACTAGTGACCCCTTTGTCAAGATCTACCTACTACCCGACAAGAAGCACAAACT
GGAGACCAAGGTGAAACGGAAGAATCTAAACCCGCACTGGAACGAGACCTTTCTATTTGAAGGGTTTCCC
TATGAGAAAGTGGTACAGAGGATCCTCTACCTCCAGGTCTGGATTATGACCGTTTCAGCCGCAATGACC
CCATTGGGAGGTGTCCATCCCTCTCAACAAGTGGACCTGACCCAGATGCAGACCTTCTGGAAGGATCT
GAAGCCATGCAGCGATGGGAGTGGGAGCCGAGGGGAGCTGCTCTGTCTCTGCTACAACCCCTCTGCC
AACTCCATCATCGTGAACATCATCAAAGTTCGCAACCTCAAAGCCATGGACATCGGGGGCACATCAGACC
CCTATGTGAAGGTGTGGCTGATGTATAAAGACAAGCGGGTAGAGAAAAAGAAGACGGTGACAAGAAGAG
GAACCTGAATCCCATCTTCAATGAGTCTTTCGCCTTTGACATACCCACGAGAAGCTGAGGGAGACCACC
ATCATCATCACTGTCATGGACAAAGACAAGCTCAGCCGCAATGACGTCATTGGCAAGATCTACCTGTCT
GGAAGAGCGGACCAGGCGAGGTGAAGCACTGAAAAGACATGATCGCTCGTCCCGGCAGCCTGTGGCCCA
GTGGCACAGCTGAAAGC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_021659
Insert Size:	1212 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_021659.1</u> , <u>NP_067691.1</u>
RefSeq Size:	1440 bp
RefSeq ORF:	1212 bp
Locus ID:	59267
UniProt ID:	<u>Q62747</u>
Cytogenetics:	1q43
Gene Summary:	plasma membrane Ca(2+) sensor in synaptic exocytosis complementary to vesicular synaptotagmins [RGD, Feb 2006]