

Product datasheet for RN203386

Syt2 (NM_012665) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syt2 (NM_012665) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Syt2
Synonyms:	RATSYNII; SYNII
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203386 representing NM_012665 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAAACATCTCAAGAGGAACAGGAGCCATTGTGGCTCCGGCCACCACCTGCCACAATGCCTC
TGGCACCCGCCACCTGCCGATAACTCTACAGAGACACGGCCACCGGGGAGAGCAAGAAGACATGTT
CGCCAAGCTGAAGGACAAATTCTCAATGAGATCAACAAGATCCCTTTGCCCCCTGGGCTCTGATTGCC
ATGGCCGTGGTTGCTGGCCTCCTGCTGCTCACCTGCTGCTTCTGCATCTGTAAGAAGTGCTGCTGCAAGA
AGAAGAAAAACAAGAAGGAGAAGGGCAAAGGCATGAAGAACGCCATGAACATGAAGGACATGAAGGGGGG
CCAGGATGATGACGACGCGGAGACAGGCCTGACTGAAGGAGAAGGAGAAGGCGAGGAGGAGAAAGAGCCG
GAGAACCTGGGCAAATTGCAGTTTTCTCTGGACTATGATTTCAAAGCCAACCAGCTCACCGTGGGCGTCC
TGCAGGCTGCTGAACTCCCGCCCTGGACATGGGTGGCACGTGAGCCCTTACGTCAAAGTCTTCTCCTCT
CCCAGACAAGAAGAAGAAATATGAGACCAAGGTGCACCGAAGACACTGAACCCAGCCTTCAACGAACT
TTCACCTTCAAGGTGCCATACCAGGAGTTAGGAGGCAAACCCCTGGTGATGGCTATCTATGACTTTGACC
GCTTCTTAAGCATGACATCATCGGGGAGGTGAAAGTGCCCATGAACACGGTGGACCTTGGCCAGCCCAT
CGAGGAATGGAGAGACCTACAAGGCGGAGAGAAGGAAGGCCAGAGAAGCTGGGTGACATCTGTACCTCC
TTGCGCTACGTGCCCACTGCTGGGAAGCTCACCGTCTGTATCCTGGAGGCCAAGAACCTGAAGAAGATGG
ATGTGGGGGCTCTCAGACCCCTATGTGAAGTCCACTTGATGCAGAATGGCAAGAGACTCAAGAAGAA
GAAGACGACGGTGAAGAAGAAGACCTTGAACCCCTACTTCAATGAGTCATTGAGCTTCGAGATCCCTTT
GAGCAGATCCAGAAAGTCCAGGTGGTCTGCTCACCGTCTGACTATGACAACTGGGCAAGAATGAAGCCA
TCGAAAGATCTTCGTAGGCAGCAACGCTACAGGCACGGAGCTGCGGCACTGGTCCGACATGCTGGCGAA
CCCTCGGAGGCCATCGCCAGTGGCACTCTCTGAAGCCTGAGGAAGAAGTGATGCTCTCTGGGCAAG
ACAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_012665
Insert Size:	1269 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_012665.1</u> , <u>NP_036797.1</u>
RefSeq Size:	2681 bp
RefSeq ORF:	1269 bp
Locus ID:	24805
UniProt ID:	<u>P29101</u>
Cytogenetics:	13q13
Gene Summary:	component of synaptic vesicle membranes; may have important role in vesicle trafficking to the active zone of the synapse and in exocytosis; may be the crucial calcium sensor in neurotransmitter release [RGD, Feb 2006]