

## Product datasheet for **RR203924**

### Syt9 (NM\_053324) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syt9 (NM_053324) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Syt9
Synonyms:	Sytv
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR203924 representing NM\_053324  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCCGGGCCAGGGACGCGCTCTGTACCAGGCGCTGCAGCTGCTGGCCGAGCTCTGTGCCCGAGGGG  
 CCTGGAGCACGACAGCTGCCAAGATTTTCTACCACCTGCGGGACCGTGCCAGACCCCGCTCCGCGA  
 CCCAGATATCTCTGTGAGCCTGTAACCTCTCGTGGTTACCGCCTGTGGTCTTGCCCTCTTTGGTGTCTCT  
 CTTTTCTGTCTTGAAACTGTGCTGGGTTCCGTGGCAGAGCGAGGCCTGTTCTCTGGTAGCAAAGACA  
 ACAACCAAGAGCCTTTAACTACTGTACAGAGACAAATGAGCAGGAGAACAGCGAGGACTTCTTAGA  
 CCCACCCACACCTGCCCGACTCCTCCATGAAGATCAGCCACACTTCCCCGACATTCCCTCTCCACC  
 CAGCCAGTGCCAGGACAACCTGTGCCATGCCGTCCGTACAGCGACAAGTACAGAGCCAACGCCGT  
 CAGCTCGGCATAACTCAATCCGAAGACAACCTCAACCTGTCAAACCCGGACTTTAATATCCAACAGCTTCA  
 GAGGCAGGAGCAGTTGACTGGGATTGGTAGAATTAAGCCAGAGTTATATAAACAGAGGTCCTGGACAAC  
 GACGATGGGAGGAGAAGTAACAGCAAAGCCTGCGGGAACTGAATTCATCTTAAAAATACGACTGCGACT  
 TGAACAGCTCATCGTGAAGATCCACAAAGCCGTCAATCTGCCCGCCAAGGACTTCTCTGGGACGTCAGA  
 TCCTTATGTCAAGATCTACTTGCTTCTGACCGGAAAACAAAACACCAGACTAAGGTTACAGGAAGACC  
 CTGAACCTGTGTTTGACGAGGTGTTTTATTTCTGTGCACTACAATGACCTTGAAGCTCGGAAGCTTC  
 ACTTCTCCGTGTATGACTTTGACAGGTTCTCTCGCATGACTTGATTGGTCAAGTGGTGGTGACCACTT  
 CTTGACTTGGTGACTTCCCCAGGGAGTGCATCCTTTGGAAGGATATCGAGTATGTCACCAACGATAAT  
 GTGGACCTGGGTGAGCTTATGTTTTGCTCTGCTATCTTCCAACAGCCGCGAGGCTGACCATCACCATCA  
 TCAAAGCAAGGAATTTAAAGCAATGGACATTACGGGAGCGTCAGATCCGTACGTGAAAGTCTCACTGAT  
 GTGTGATGGCCGAGACTGAAGAAGAGGAAAACATCCACCAAGAGGAACACGCTTAACCCCTGTTTACAAT  
 GAAGCCATAGTCTTCGATGTCCCTCCTGAGAGCATTGATCAGATCCACTTGTCCATAGCTGTGATGGACT  
 ATGACCGTGTAGGTCACAATGAGGTATCGGCGTGTGCCAAGTAGGCAACGAGGCTGAGCGGCTGGGCGAG  
 AGACCACTGGAGTGAGATGCTGTCATATCCCCGAAAGCCATCGCACACTGGCACTCTCTGCTGGAGAAA  
 CGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR203924 representing NM\_053324  
 Red=Cloning site Green=Tags(s)

MPGARDALCHQALQLLAELCARGALEHDSQDFIYHLRDRARPRLRDPDISVSLTLVVACGLALFGVSL  
 LFVSWKLCWVPWRERGLFSGSKDNNQEPLNYTDTETNEQENSEDFLDPPTPCPDSSMKISHTSPDIPLST  
 QPGGQDNCAHAVRVQRQVTEPTPSARHNSIRRQLNLSNPDFNIQQLQRQEQLTGIGRIKPELYKQRSLDN  
 DDGRRSNSKACGKLNFIKLYDCLEQLIVKIHKAVNLPKDFSGTSDPYVKIYLLPDRKTKHQTKVHRKT  
 LNPVFDEVFLFPVHYNDLEARKLHFSVYDFDRFSRHDLIGQVVVDHFFDLADFPRECILWKDIEYVTNDN  
 VDLGELMFSLCYLPTAGRLTITIIKARNLKAMDITGASDPYVKVSLMCDGRRLKRRKTSKRNTLNPVYN  
 EAIVFDVPPESIDQIHLSTAVMDYDRVGHNEVIGVCQVNEAERLGRDHWSEMLSYPRKPIAHWSLLEK  
 R

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

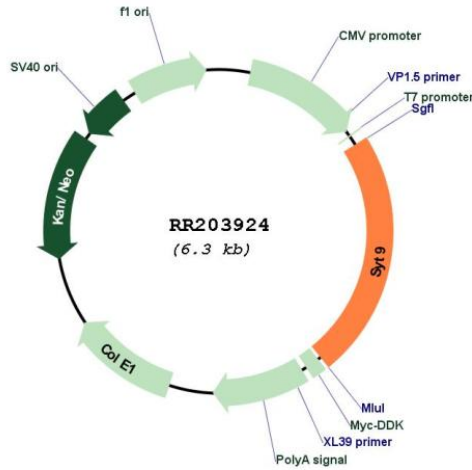
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_053324

ORF Size: 1473 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\\_053324.1](#), [NP\\_445776.1](#)

**RefSeq Size:** 1506 bp

**RefSeq ORF:** 1476 bp

**Locus ID:** 60564

**UniProt ID:** [Q925C0](#)

**Cytogenetics:** 1q33

**MW:** 56.2 kDa

**Gene Summary:** member of a family of membrane proteins characterized by one transmembrane region and two C2 domains [RGD, Feb 2006]