

Product datasheet for **RR214591**

Syap1 (NM_001004253) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syap1 (NM_001004253) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Syap1
Synonyms:	MGC94115
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR214591 representing NM_001004253 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGTTCCGAGGGTTGAGCAGTTGGTTGGGCTTGAAGCAGCCTGAGGGGGCGGCGGGGAGAAGAGCCGC
 CCAGCGGGGACAAGCTGTCGTCGGGAGCCGCGCCTCCTGAGAAGAGCTCCGAGGGGCTCGTGGAGCCAC
 CGAGGAGGAGGAGCAGCTGACGGAGGACCCACAGTTCTCCACCAGGCCAAAGGCCTTGGAATTATTTG
 TATAGTTTGAAGTGCTGCGACAAAGAAGATAACTGAGTCTGTTACAGAAACAGCTCAGACAATCAAGA
 AATCTGTGGAAGAAGGAAAAATAGATGACATCCTTGATAAGACTATCATAGGAGATTTTCAAAAAGAACA
 GAAAAAATTTGTTGAGGAGCAGCATACAAAAAATCAGAAGCGGCTGTTCTCCGTGGGTTGAGAGTCAT
 GATGAAGAGACAATTCAACAACAGATATTGGCTTTATCAGCTGACAAGAGGAACTTCCTTCGTGACCCAC
 CAGCAGGTGTGCAGTTTAACTTTGACTTTGATCAGATGTACCCTGTTGCCCTGGTCATGCTCCAAGAGGA
 TGAAGTACTAAGCAAGATGAGATTGCGCCTCGTTCCTAACTTGTGAAGGAGGAAGTATTCTGGAGAAAC
 TACTTCTACCGGATCTCCCTGATTAAGCAGTCGGCCCACTCACTGCACTGGCTGCCAGCAGCAAGCTT
 CTGGAAGGAAGAAAAAGCAGCAGCAGAGATGATAATTTGCCTCTGACAGAGGCAGTACGGCCCAAAAC
 ACCACCTGTGGTAATCAAATCTCAGCTTAAAAATCAAGAGGACGAAGAGGAAATCTCTACTAGCCAGGA
 GTTCTGAGTTTGTGAGTATGCTTGTGCTGTAACCTTAAATCAGGAGGATTTAAGAAAAGAAATGG
 AACAGCTTGACTTGATAAGAAGCAAGAGGAAGCAACTGCATTAGAAGTTGCTATAGAAGATTCTAC

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 ACAAGGATGACGACGATAAGGTTTAA


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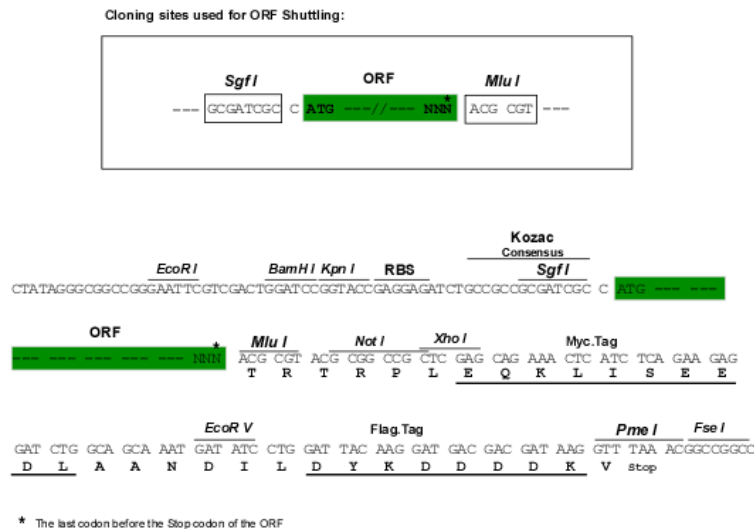
Protein Sequence: >RR214591 representing NM_001004253
 Red=Cloning site Green=Tags(s)

MFRGLSSWLGLKQPEGAAAGEEPPSGDKLSSGAAPPEKSSEGLVEPTEEEEQLTEDPQFLHQAAGLGNLY
 YSFASAATKKITESVTETAQTIKKSVEEGKIDDLTKTIIGDFQKEQKKFVEEQHTKKSEAAVPPWVESH
 DEETIQQILALSADKRNFLRDPPAGVQFNDFDQMYPVVALVMLQEDELSSKMRFALVPLVKKEEVFWRN
 YFYRISLIKQSAQLTALAAQQQASGKEEKSSSRDDNLPLTEAVRPKTPPVVIKSQLKNQEDEEEISTSPG
 VSEFVSDAFDACNLNQEDLRKEMEQLVLDKKQEETALEVCYRRFY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001004253

ORF Size: 978 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_001004253.1, NP_001004253.1

RefSeq Size: 1491 bp

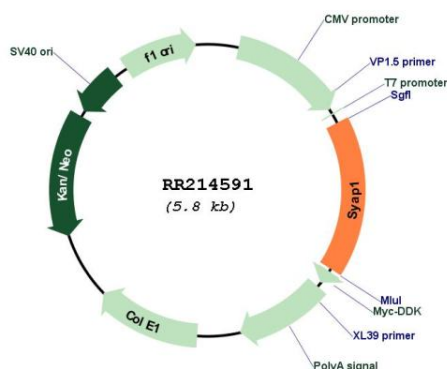
RefSeq ORF: 981 bp

Locus ID: 302678

Cytogenetics: Xq14

MW: 36.7 kDa

Product images:



Circular map for RR214591