

Product datasheet for **RR202222**

Yy1 (NM_173290) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Yy1 (NM_173290) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Yy1
Synonyms:	NF-E1; NMP-1; NMP1; UCRBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR202222 representing NM_173290 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCGGGGACACCCTCTACATTGCCACGGACGGCTCGGAGATGCCAGCCGAGATCGTGGAACTGC
ATGAGATTGAGGTGGAGACCATCCCGTGGAGACTATCGAGACCACGGTGGTGGGCGAGGAGGAGGACGA
CGACGAAGACGACGAGGATGGTGGCGGGGAGACCACGGTGGCGGGGCGGCCACGGGCACGCTGGCCAC
CACCATCACCACCACCACCACCACCACCCGCCATGATCGCGCTGCAGCCGCTGGTACCAGACGCCGA
CCCAAGTGCACCACCACCAAGAGGTGATTCTGGTGCAGACGCGGAGGAGGTAGTGGGTGGCGACGACTC
GGACGGGCTGCGCGCCGAGGACGGGTTCGAGGACCAGATCCTCATTCCGGTACCCGCGCCGCGCGCGGA
GACGACGACTACATCGAGCAGACGCTGGTACCCTGGCGCGGCCGCAAGAGCGGTGGCGGGTCTTCGT
CGGGCGCGCGCCGCGTTAAGAAGGGCGCGCAAGAAGAGTGGCAAGAAGAGTTACCTGGGACGCGGGG
CGGCGCGCGGGCGGTGGCGGCGCCGACCCGGTAATAAGAAGTGGGAACAGAAGCAGGTGCAGATCAAG
ACCCTGGAGGGCGAGTTCTCGGTACCATGTGGTCTTCAGATGAAAAAAAAAGATATTGACCATGAAACAG
TGGTTGAAGAGCAGATCATTGGGAGAAGTACCTCCTGATTATTCTGAATATATGACAGGCAAGAACT
CCCTCTGGAGGGATACCTGGCATTGACCTCTCAGACCCCAAGCAACTGGCAGAAATTTGCCAGAATGAAG
CCAAGAAAAATTAAGAAGATGATGCTCCAAGAACAATAGCTTGCCTCATAAAGGTGCACAAAGATGT
TCAGGGATAACTCTGCTATGAGAAAGCATCTGCACACCCACGGTCCCAGAGTCCACGTCTGTGCAGAATG
TGGCAAAGCGTTCTGTTGAGAGCTCAAAGCTAAAACGACACCAGCTGGTTCATACTGGAGAAAAGCCCTTT
CAGTGCACATTCGAAGGCTGCGGGAAGCGCTTTTCACTGGACTTCAATTTGCGCACGCATGTGCGAATCC
ATACCGGAGACAGGCCCTATGTGTGCCCTTCGACGGTTGTAATAAGAAGTTTGTCTCAGTCAACTAACCT
GAAATCTCACATCTTAACACACGCTAAAGCCAAAAACAACCG

ACGGTACGGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR202222 representing NM_173290
Red=Cloning site Green=Tags(s)

MASGDTLYIATDGSEMPAEIVELHEIEVETIPVETIETTIVVGEEDDEDEDEGGGGDHGGGGGHGHAGH
 HHHHHHHHHPPMIALQPLVTDPTQVHHHQEVILVQTREEVVGDDSDGLRAEDGFEDQILIPVPAPAGG
 DDDYIEQTLVTVAAGKSGGGSSGGGRVKKGGGKSGKSYLGSAGAGAAGGGADPGNKKWEQKQVQIK
 TLEGEFSVTMWSDEKKDIDHETVVEEQIIGENSPPDYSEYMTGKKLPPGGIPGIDLSDPKQLAEFARMK
 PRKIKEDDAPRTIACPHKCTKMFDRNSAMRKLHHTHGPRVHVCAECGKAFVSSKLRHQLVHTGKPPF
 QCTFEGCGKRFSLDFNLRTHVRIHTGDRPYVPCFDGCNKKFAQSTNLKSHILTHAKAKNNQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2211_e05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173290

ORF Size: 1233 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_173290.1](#), [NP_775412.1](#)

RefSeq Size: 1236 bp

RefSeq ORF: 1236 bp

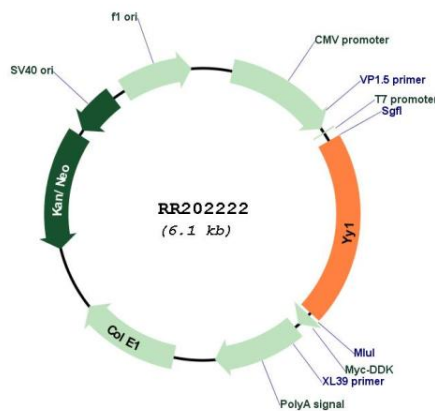
Locus ID: 24919

Cytogenetics: 6q32

MW: 44.4 kDa

Gene Summary: acts as a transcriptional repressor of the steroidogenic acute regulatory (StaR) protein; decreases SREBP-1a binding to a sterol regulatory element [RGD, Feb 2006]

Product images:



Circular map for RR202222