

Product datasheet for **RR205919**

Tyrp1 (NM_001106664) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tyrp1 (NM_001106664) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tyrp1
Synonyms:	B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR205919 representing NM_001106664
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAATCTTACAACGTCTCTCTAGCCTCTCTCTTCCCTGATGCTGCTTTGCTCTGTGGG
 CTCAGTTTCCACGAGAATGCGCCAATATTGAGGCTCTGAGAAGTGGGGTGTGTTGCCAGACCTGTTTCC
 TTCTCTGGACAGGGACTGACCCTGTGGCTCATCATCAGGAAGGGGCAGGTGTGTGGCTGTGACCGCA
 GACTCCCAGCCCCACAGCCGCCATTATCCCATGATGGTAGAGATGACCGGAAGGCTGGCCTCTGAGGT
 TCTTCAATAGGACATGTCAGTGAATGGTAATTTCTCAGGACACAACCTGTGGGGCTTGTGCTCTGGGTG
 GAGAGGAGCTGCATGCAACCAGAAAATTCTCACAGTCAGGAGAAATCTTCTTGACTTAAGTACAGAAGAA
 AAAAGCCACTTCGTCAGGGCCTTGATATGGCGAAGCGCACAACTCACCTCAATTTGTCATTGCCACAA
 GGAGGTCAGAAGACATGCTGGGACCAGATGGCAGCACACCACAATTTGAGAACATTTCCATTTACAAC
 TTTTGGTGGACACACTATTATTCAGTCAAAAAACCTTCTTGGGGCAGGACAGGAGAGCTTTGGCGAT
 GTGGATTTCTCTACGAAGGACCAGCTTCTCTCATGGCACAGGTACCATCTGCTGCAGCTGGAGCGAG
 ACATTCAGGAGATGCTGCAGGAGCCTTCTTCTCCCTTCTTACTGGAATTTGCAACTGGGAAAAACAT
 CTGTGATATCTGCACTGATGACTTGATGGGATCCAGAAGCAACTTCGATTCTACTCTTATAAGCCCCAAC
 TCTGTCTTTTACAATGGAGAGTGGTCTGTGAATCCTTAGAAGAGTACGATACCTGGGAACACTTTGCA
 ACAGCACTGAGGGTGGTCCAATCAGGAGAAACCCAGCCGAAATGTAGGGAGACCAGCAGTACAGCGTCT
 TCCTGCGCCACAGGATGTTACTCGATGCCTGGAGGTTCTGTGTGTTGACACGCCTCTTTTTATTCCAAT
 TCTACAAACAGTTTTCGAAACACAGTGAAGGTTACAGCGATCCCACGGGAAATATGACCTGCTGTTT
 GAAGCCTTCATAACCTGGCCACCTCTTCTGAATGGGACAGGAGGACAAACCCATCTGTCTCCCAATGA
 TCCTATTTTGTCTCTGCATACCTTCTCACTGATGCAGTCTTTGATGAATGGCTAAGGAGATACAATGCC
 GATATTTCTACCTTCCATTGGAATGCTCCTATTGGACATAACAGGCAATATAACATGGTACCATTCT
 GGCTCCAGTTACCAACACAGAAATGTTTGTACTGCTCCAGACAACCTGGGATATGCTTATGAACTTCA
 ATGGCCAGGTCAGGAATTTACTGTATCTGAAATCATTACCATTGCTGTAATAGCTGGGCTGTACTTGT
 GCTGCCATTTTGGGAGTCTTCTGTCTGATCCGCTCTAGAAGCACCAAGAATGAAGCCAACAGCCTC
 TCCTACCGATCACTACCAACGCTATGCTGAGGAATATGAAGAACTCCCAATCTAATCAAACCATGGT
 C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

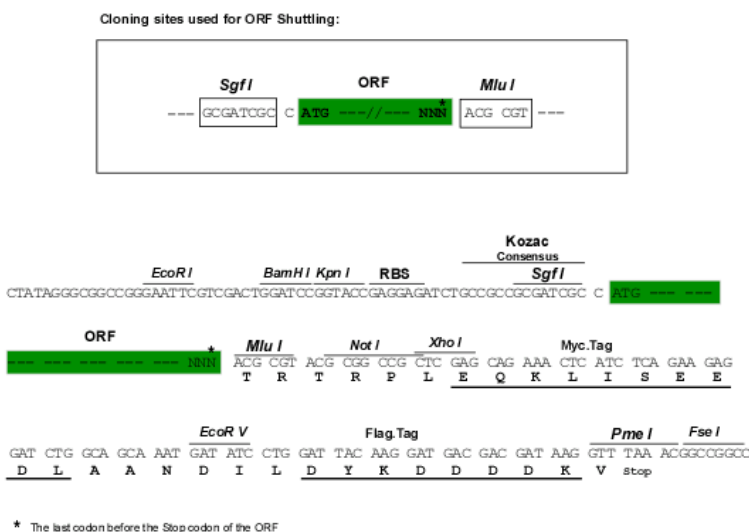
>RR205919 representing NM_001106664
 Red=Cloning site Green=Tags(s)

MKSYNVLALLASLFLSMLLCPVWAQFPRECANIEALRSGVCCPDLFPSSGPGTDPGSSSGRGRCAVTA
 DSRPHSRHYPHDGRDDREGWPLRFFNRTCQCNGNFSGHNCGACRPGWRGAACNQKILTVRRNLLDLSTEE
 KSHFVRALDMAKRTTHPQFVIATRSEDMLGPDGSTPQFENISINYFVWTHYYSVKKFTLGAGQESFGD
 VDFSHEGPAFLTWHRYHLLQLERDIQEMLQEPSFSLPYWNFATGKNICDICTDDLMSRSNFDSTLISPN
 SVFSQWRVVCESLEEYDTLGTLCNSTEGGPIRRNPAGNVGRPAPVQRLPAPQDVTRCLEVRVFDTPPFYSN
 STNSFRNTVEGYSPTGKYDPAVRSLNLAHLFLNGTGGQTHLSPNDPIFVLLHTFTDAVFDEWLRRYNA
 DISTFPLENAPIGHNQRQNMVFPVPTNTEMFVTAPDNLGYAYELQWPGQEFTVSEIITIAVIAGLLLV
 AAIFGSASCLIRSRSTKNEANQPLLTDHYQRYAEEYEELPNPNQTMV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001106664

ORF Size: 1611 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_001106664.1](#), [NP_001100134.1](#)

RefSeq Size: 2685 bp

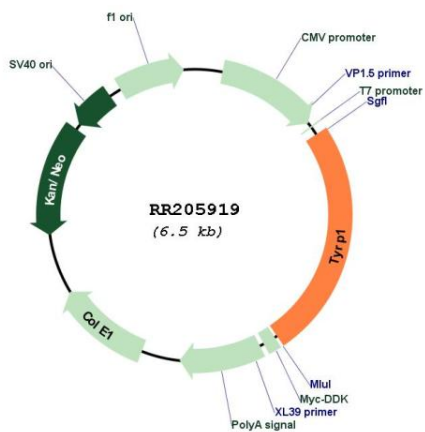
RefSeq ORF: 1614 bp

Locus ID: 298182

Cytogenetics: 5q31

MW: 60.5 kDa

Product images:



Circular map for RR205919