

Product datasheet for **RR214524**

Tyr (NM_001107535) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tyr (NM_001107535) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tyr
Synonyms:	C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR214524 representing NM_001107535
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTCTTGGCTGTTTTGTATTACCTTCTGTGGAGTTTTAGACCTCTGTGGCCATTTCTCTGAGACT
 GTGCTCTCTAAGAACTTGATGGCAAAAGAATGCTGCCACCATGGATGGGTGATGGGAGTCCCTGCGG
 CCACCTTTTCAGGGAGAGTTCTGCCAGGACATCTTTTGTCCAATGCACCATCTGGACCTCAGTCCCC
 TTCAAAGGGTGGATGACCGTGAGTCTGGCCCTCTGTGTTTTATAATAGGACCTGCCAGTCTCTGGAA
 ACTTCATGGGTTTCAATTGCGGAACTGTAAGTTTGGATTTGGGGGCCAAATTGTACAGAGAAGCGACT
 CTTAATTAGACGAAACATTTTTGATTTGAGTGCCTCAGAAAAGAATAAGTTCTTTTCTTACCTCACTTTG
 GCAAAACATACTATCAGCTCAGTCTATGTCATCCACAGGCACCTATGGCCAAATGAACAATGGGTGCA
 CACCCATGTTAAAGGACATCAACATCTATGACCTCTTTGTATGGATGCATTACTATGTGTCAAGGGACAC
 ACTGCTTGGGGCTCTGAAATCTGGAGGGACATTGATTTTGTCTATGAAGCACCAGGATTTTGCCTTGG
 CACAGACTGTTCTTGCTATTATGGGAACAAGAAATGCAGGAACTAACTGGGGATGAGAATTCACCATTC
 CATATTGGGACTGGAGAGATGCGGAAAACCTGTGACATTTGCACAGATGAGTACCTGGGAGGTCGTACCC
 TGAAAACTCTAATTACTCAGCCAGCGTCTTCTTCTCTCTGGGAGATCATTGCGAGCATGAGAA
 GAGTATAATAGCCATCAGGTTTTATGTGATGGAACACCTGAGGGACCACTATTACGTAATCTGGAAACC
 ATGACAAAGCCAAAACCCAGGCTCCCATCTTCAGCAGACGTGGAAATTTGTTTGGATTTGACCCAGTA
 TGAATCTGGATCAATGGATAGAAGTCCCAATTTACGCTTTAGAAACACACTGGAAGGATTTGCCAGTCCA
 CTCACAGGATAGCAGATTTCTTCAAAGTAGCATGCACAACGCTCTGCATATCTATGAATGGAACAA
 TGTCCGAAGTACAGGGATCGGCCAATGATCCCATTTTTCTTCTTTCATCATGCTTTTGGACAGTATTTT
 TGAACAATGGCTCCGAAGACACCCCTCTTTTGGAAAGTTTACCCAGAAGCCAATGCACCTATTGGCCAT
 AACAGAGAATCTACATGGTTCCTTTCATTCCACTCTATAGAAATGGTGATTTCTTCATTTTCATCCAAGG
 ATCTGGGATATGACTACAGTTACCTACAAGAATCAGATCCAGGCTTTTACCGAACTATATTGAACCCTA
 CTTGGAACAAGCTAGTCGTATCTGGCCATGGCTTCTTGGAGCAGCACTGGTGGGAGCTGTTGTTGCTACA
 GCTCTAGCTGGGCTCAGCAGTAGGCTATGCCATCAGAAGAAAAGCAACCCAGGAGGAAAGGCAGCCCC
 TCCTCATGGACAAAGATGACTACCACAGCTTGTGTACCAGGCCATCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214524 representing NM_001107535
 Red=Cloning site Green=Tags(s)

MFLAVLYLLWSFQTSAGHFPRDCASSKNLMAKECCPPWMDGSPCGHLSGRGSCQDILLSNAPSGPQFP
 FKGVDDRESWPSVFNRTCQCSGNFMGFNCGNCKFGFGPNCTEKRLLIRRNIIFDLSASEKNKFFSYLTL
 AKHTISSVYVYIPTGTGQMNNGSTPMFKDINIYDLFVWMHYVSRDILLGGSEIWRDIDFAHEAPGFLPW
 HRLFLLLWEQEMQELTGDENFTIPYWDWRDAENCDICTDEYLGGRHPENPNLLSPASFFSSWEIICSRSE
 EYNHQVLCVLDGTPGELLRNPNHDKAKTPRLPSSADVEFCLSLTQYESGSMDRANFSFRNTLEGFASP
 LTGIADSSQSSMHNALHIYMNGTMSQVQGSANDPIFLLHAFVDSIFEQWLRHRPLLEVYPEANAPIGH
 NRESYMPFIPLYRNGDFFISSKDLGYDYSYLQESDPGFYRNYIEPYLEQASRIWPWLLGAALVGAVVAT
 ALAGLSSRLCHQKKKQPQEERQPLLMKDDYHSLLYQSHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001107535

ORF Size: 1590 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

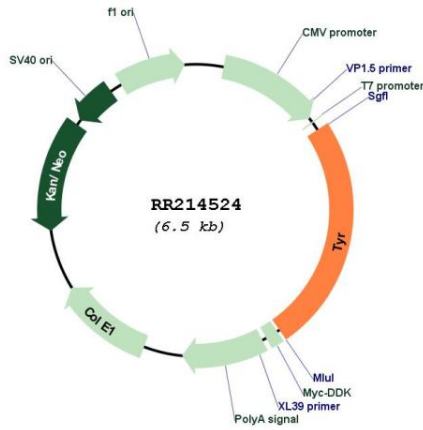
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001107535.1, NP_001101005.1
 RefSeq Size: 3018 bp
 RefSeq ORF: 1593 bp
 Locus ID: 308800
 Cytogenetics: 1q32
 MW: 60.4 kDa

Product images:



Circular map for RR214524