

Product datasheet for **RN214524**

Tyr (NM_001107535) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN214524 representing NM_001107535
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTCTTGGCTGTTTTGTATTACCTTCTGTGGAGTTTTAGACCTCTGTGGCCATTTCTCGAGACT
 GTGCCTCCTCTAAGAACTTGATGGCAAAAGAATGCTGCCACCATGGATGGGTGATGGGAGTCCCTGCGG
 CCACCTTTTCAGGGAGAGTTCTGCCAGGACATCCTTTTGTCCAATGCACCATCTGGACCTCAGTCCCC
 TTCAAAGGGTGGATGACCGTGAGTCTGGCCCTCTGTGTTTTATAATAGGACCTGCCAGTCTCTGGAA
 ACTTCATGGGTTTCAATTGCGGAACTGTAAGTTTGGATTTGGGGGCCAAATTGTACAGAGAAGCGACT
 CTTAATTAGACGAAACATTTTTGATTTGAGTGCCTCAGAAAAGAATAAGTTCTTTTCTTACCTCACTTTG
 GCAAAACATACTATCAGCTCAGTCTATGTCATCCACAGGCACCTATGGCCAAATGAACAATGGGTGCA
 CACCCATGTTAAAGGACATCAACATCTATGACCTCTTTGTATGGATGCATTACTATGTGCAAGGGACAC
 ACTGCTTGGGGCTCTGAAATCTGGAGGGACATTGATTTTGTCTCATGAAGCACCAGGATTTTGCCTTGG
 CACAGACTGTTCTTGCTATTATGGGAACAAGAAATGCAGGAACTAACTGGGGATGAGAATTCACCATTC
 CATATTGGGACTGGAGAGATGCGGAAAACCTGTGACATTTGCACAGATGAGTACCTGGGAGGTCGTACCC
 TGAAAATCCTAACTTACTCAGCCAGCGTCTTCTTCTCCTCTGGGAGATCATTTCGAGCAGATCAGAA
 GAGTATAATAGCCATCAGGTTTTATGTGATGGAACACCTGAGGGACCACTATTACGTAATCCTGGAAACC
 ATGACAAAGCCAAAACCCAGGCTCCCATCTTCAGCAGACGTGGAAATTTGTTTGGATTTGACCCAGTA
 TGAATCTGGATCAATGGATAGAAGTCCCAATTTAGCTTTAGAAAACACTGGAAGGATTTGCCAGTCCA
 CTCACAGGGATAGCAGATTCTTCTCAAAGTAGCATGCACAACGCTCTGCATATCTATGAATGGAACAA
 TGTCGCAAGTACAGGGATCGGCCAATGATCCCATTTTTCTTCTTCATCATGCTTTTGGGACAGTATTTT
 TGAACAATGGCTCCGAAGACACCGCCCTCTTTTGGAAAGTTTACCCAGAAGCCAATGCACCTATTGGCCAT
 AACAGAGAATCCTACATGGTTCCTTTCATTCCACTCTATAGAAATGGTGATTTCTTCATTTTCATCAAGG
 ATCTGGGATATGACTACAGTTACCTACAAGAATCAGATCCAGGCTTTTACCGAACTATATTGAACCCTA
 CTTGGAACAAGCTAGTCGTATCTGGCCATGGCTTCTTGGAGCAGCACTGGTGGGAGCTGTTGTTGCTACA
 GCTCTAGCTGGGCTCAGCAGTAGGCTATGCCATCAGAAGAAAAGCAACCCAGGAGGAAAGGCAGCCCC
 TCCTCATGGACAAAGATGACTACCACAGCTTGCTGTACCAGGCCATCTA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2246_b06.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001107535

Insert Size: 1593 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](#)

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