

Product datasheet for RN206539

Tat (NM_012668) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tat (NM_012668) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tat
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN206539 representing NM_012668 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTCTACGTGATTACAGCGGATGTCGACGACAGCTTGCCTCAGTTCTGGATGTGCATGTCAATA
TTGGTGGGAGAACTCGGTACAAGGAAGAAAGAAAGCCAGGAAGGCCAGATGGGACGTGAGACCCTCTGA
CATGTCCAATAAGACCTTCAATCCCATCCGAGCCATCGTGGACAACATGAAGGTGCAGCCCAATCCGAAC
AAGACCGTGATTCTCTGTCAATTGGGGACCCTACTGTGTTGGGAACCTGCCTACAGACCCTGAAGTTA
CCCAAGCCATGAAAGATGCCCTGGACTCGGGGAAGTACAATGGCTATGCCCCGTCCATCGGCTACCTATC
CAGTCGGGAGGAGGTGCTTCTTACTACCACTGTCATGAGGCTCCTCTGGAAGCTAAGGATGTCATTCTG
ACAAGCGGCTGCAGTCAGGCCATTGAGCTATGTCTAGCTGTGTTGGCCAATCCTGGACAAAACATCCTCA
TTCCAAGGCCCGGTTTTCCCTCTATAGGACTTTGGCTGAGTCTATGGGAATTGAGGTCAAGCTCTACAA
TCTCCTGCCGAGAAGTCTTGGGAAATTGACCTAAAACAACCTGGAATCTCTGATCGATGAAAAACAGCG
TGTCTTGTGTCAACAACCCATCCAATCCCTGTGGCTCCGTGTTTCAGTAAGCGGCACCTTCAGAAGATTT
TGGCAGTGGCTGAAAGGCAGTGTGCCCATCTTAGCTGACGAGATCTATGGTGACATGGTGTTCAGA
TTGCAAAATACGAACCACTGGCCAACCTCAGACCAATGTTCCCATCCTGTCTGTGGTGGCTGGCCAAG
CGCTGGCTGGTTCCTGGCTGGAGTTGGGCTGGATCCTCATTGATCGAAGAGACATTTTTGGCAATG
AGATTCGAGACGGGCTGGTGAACCTGAGTCAGCGGATCCTGGGACCATGCACCATAGTCCAGGGTGTCT
GAAGAGCATCCTTCAGCGAACCCCTCAGGAGTTCTATCACGACACGTTAAGCTTCTCAAGTCCAATGCG
GACCTCTGCTATGGGGCACTGGCTGCCATCCCTGGACTCCAGCCGGTCCGCCCTTCTGGAGCCATGTACC
TTATGGTGGGAATTGAGATGGAGCATTTCCCGAATTTCGAGAACGACGTGGAGTTACAGAGCGGTTGAT
TGGCGAGCAGGCTGTCCACTGTCTCCAGCAACGTGCTTCGAGTACCCAAATTTCTCCGAGTGGTCATC
ACAGTCCCGAGGTGATGATGCTGGAGGCTTGTAGCCGGATCCAGGAGTCTGTGAACAGCACTACCACT
GTGCTGAAGGCAGCCAGGAGGAGTGTGACAAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	NM_012668
Insert Size:	1365 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_012668.2</u> , <u>NP_036800.1</u>
RefSeq Size:	2037 bp
RefSeq ORF:	1365 bp
Locus ID:	24813
UniProt ID:	<u>P04694</u>
Cytogenetics:	19q12
Gene Summary:	catalyzes the conversion of L-tyrosine and 2-oxoglutarate to 4-hydroxyphenylpyruvate and L-glutamate; involved in gluconeogenesis [RGD, Feb 2006]