

Product datasheet for **MC204147**

Tat (NM_146214) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tat (NM_146214) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tat
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC030728
 GGAGGAGCGCTCGTGGGCCTTATAGGTTTGGCTGCTTGGAGACTGCTTTGCCTGGACGAGGAAGGCTTTG
 TGAGCCATGGACTCCTACGTAATCCAGACGAATGTCAATGACAGCCTACCTTCAGTGCTGGATGTTCCGG
 TCAATATTGGCGGGAGAAGCTCGGTGCAAGGGAGAGCGAAGGGCAGGAAGGCCAGGTGGAATGTGAGGCC
 CTCTGACATGTCCAATAAAACCTTCAATCCCATCCGAGCCATTGTGGACAACATGAAGGTGAAGCCGAAT
 CCGAACAAAACCGTGATCTCTGTCAATTGGGGACCTACTGTGTTTGGGAACCTGCCACAGACCCCTG
 AAGTGACCCAAGCCATGAAGGATGCCCTGGACTCCGGGAAGTACAATGGCTATGCCCATCTATCGGCTA
 CCTATCCAGTCGGGAGGAGGTGCTTCCCTATTACCACTGCTGAGGCTCCTCTGGAAGCTAAGGATGTC
 ATTCTGACGAGTGGCTGCAGTCAGGCCATTGAGCTGTGTCTAGCCGTGTTGGCCAATCCTGGACAGAACA
 TCCTCATTCCGAGGCCCGGGTTTTCCCTCTACAGGACATTGGCTGAGTCTATGGGGATTGAGGTCAAGCT
 CTACAATCTATTGCCTGAGAAGTCTTGGGAAATGATCTAAAACAACCTGGAATCTCTGATCGACGAAAAA
 ACAGCTTGTCTCGTGGTCAACAACCCGTCGAATCCCTGTGGCTCTGTGTTGAGTAAAGCGGCACCTTCAGA
 AGATTTTGGCAGTGGCTGAAAGGCAATGCGTCCCCTCTAGCCGATGAGATCTATGGTGACATGGTGTT
 TTCAGATTGCAAAATGAACCAATGGCCACCCTCAGCACCAATGTCCCCTCCTGTCTGTGGTGGGCTG
 GCCAAGCGCTGGCTGGTTCTGTGGCTGGAGGCTGGGCTGGATCCTTATCCATGATCGAAGAGACATTTTTG
 GCAATGAGATTCCGGACGGGCTGGTGAAGCTGAGTCAGCGGATCCTGGGCCCGTGACACCATCGTCCAAGG
 TGCCCTGAAGAGCATCCTTCAGCGCACCCCTCAGGAGTCTACCAGGACACTTAAAGCTTCCCTAAGTCC
 AATGCGGACCTCTGCTATGGGGCGTTGTCTGCCATTCTGGACTCCAGCCAGTCCGCCCATCTGGAGCCA
 TGTACCTTATGGTGGGAATTGAGATGGAGCACTTCCCAGAATTTGAGAATGACGTGGAATTCACAGAGCG
 GTTAATTGCGGAGCAGTCTGTCCACTGCCTCCCAGCCAGTGTCTCGAGTACCCAAATTTCTCCGGGTT
 GTCATCACAGTCCCCGAGGTGATGATGCTGGAGGCTTGTAGCCGATCCAGGAGTCTGTGAACAGCACT
 ACCACTGTGCTGAAGGCAGCCAGGAGGAGTGTGACAAATAGGCCCTCATGCATCCTCCTGAAGACATGTC
 CCACTCAAGGAGAGTGGGCTGCTCCTCCTCAGGACGACAGATGTCCTTCTTCGAGAGGGACCTCCAAA
 GCACCGCATCAAGATTTGAAGATTATTTCTTCTCCCCAGTCACATCCAACACATGCCTGGAACCCAG
 ATTCTCCATTATTTCGGCTCTGCTGGAGCGACTCATGAGCCCTTACCCTTAGCTACACGACGACGCA
 CAGACGCACGCACTCACGCACGACGAGGACAGGACCATATACTTCTTTATCCTGAGGGTACCAGTTTACCAG
 AAGGAAGCTGGGATGGGAAAAGCCAGAGCTCAGGATGAGAGAAGCAGAAGGTTGCCTCCCCACCATTTT
 CTCGAGCTGACACAGGAGTGTCTTTCAGTCAGGTCGGAAGTACCTTGGTTCCTGCCTCACTTCAGCA
 ATACCTCACGCCCTGCGGTAGAGCTACACCAGAGAGAAGTGAAGACTTGTAAATTTGGTAACTGTATT
 CTAAGTGCATTGGGAACTTGATATTTAAAGGATCCTTGATAGAATTTTTTTTGTAAAAAATTATTTT
 CGGTGCAATAAATACCAGCTTCTAAACTGATTAGATCTGCTTGTATCAGGTTTTCTTAAATAGGAGC
 ACACCTCATTGAAGGAGAAAGAAGGACAGGAGGCTCTCCAGAGACATTGCTGCGGACCGAAAGCATC
 TTCTCCTCACCTTCTGTAGAATCATTGCCACTTTTGTGCTGTCATGTGAATATTGATTTATTAATTTT
 TAATATTATCTTTTCATATATTTTCTAAGAAACATTTATATTATAAGATCTTTTATTTTGTCAAGGGTAT
 AAATTATTATTCTTTTTTTTTTAAATAAAATTTTATCAAGTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_146214

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:

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: [BC030728](#), [AAH30728](#)

RefSeq Size: 2368 bp

RefSeq ORF: 1365 bp

Locus ID: 234724

UniProt ID: [Q8QZR1](#)

Cytogenetics: 8 57.38 cM

Gene Summary: This gene encodes a liver-specific mitochondrial enzyme that catalyzes the conversion of L-tyrosine into p-hydroxyphenylpyruvate. Regulated by glucocorticoid and polypeptide hormones, this gene's expression is affected by deletion of a regulatory region near the albino locus on chromosome 7. Mutations in this gene cause tyrosinemia type II in humans. [provided by RefSeq, Mar 2010]