

## **Product datasheet for VC101716**

## tat (NC\_001802) Virus Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** tat (NC\_001802) Virus Tagged ORF Clone

Tag: Myc-DDK

Symbol: tat

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >The Viral ORF clone VC101716 represents NCBI reference of NP\_057853 with codon

Sequence: optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

Red-Cloning Site Bide-ORF Green-Tags(S)

GACGTTGTATACGACTCCTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

AAGCAACCCACATCCCAACCTCGCGGCGACCCGACAGGACCTAAAGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC101716 representing NP\_057853

Red=Cloning sites Green=Tags

MEPVDPRLEPWKHPGSQPKTACTNCYCKKCCFHCQVCFITKALGISYGRKKRRQRRRAHQNSQTHQASLS

KQPTSQPRGDPTGPKE

**TRTRRL**EQKLISEEDLAANDILDYKDDDDK**V** 

Chromatograms: <a href="https://cdn.origene.com/chromatograms/mk8100">https://cdn.origene.com/chromatograms/mk8100</a> a01.zip

Restriction Sites: Sgfl-Mlul



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

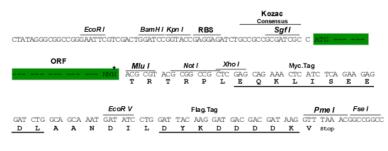
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## **Cloning Scheme:**





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NC\_001802

ORF Size: 258 bp

**OTI Disclaimer:** The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide

Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a

Myc-DDK tag.

**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:** NC 001802.1, NP 057853

 RefSeq ORF:
 258 bp

 Locus ID:
 155871

 UniProt ID:
 P04585

 MW:
 9.8 kDa