

## 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 Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >The Viral ORF clone VC101716 represents NCBI reference of NP\_057853 with codon optimized for human cell expression  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAACCCGTTGACCCTCGACTGGAGCCATGAAACATCCTGGATCACAACCAAAACAGCCTGCACTA  
ACTGCTACTGCAAAAAGTGCTGCTTCCATTGTCAAGTGTGCTTTATCACAAGGCACTGGGTATCAGTTA  
TGGCAGAAAGAAGCGCCGCGCAGCGGCGACGAGCCACCAGAATAGCCAGACCCACCAAGCCAGCCTGTCA  
AAGCAACCCACATCCCAACCTCGCGCGACCCGACAGGACCTAAAGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC101716 representing NP\_057853  
**Red**=Cloning sites **Green**=Tags

MEPVDPRLEPWKHPGSQPKTACTNCYCKKCCFHCQVCFITKALGISYGRKKRRRQRRRAHQNSQTHQASLS  
KQPTSQPRGDPTGPKE

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8100\\_a01.zip](https://cdn.origene.com/chromatograms/mk8100_a01.zip)

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**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