

Product datasheet for **SC114990**

HIV TAT specific factor 1 (HTATSF1) (NM_014500) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIV TAT specific factor 1 (HTATSF1) (NM_014500) Human Untagged Clone
Tag:	Tag Free
Symbol:	HIV TAT specific factor 1
Synonyms:	dj196E23.2; TAT-SF1; TATSF1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC114990 sequence for NM_014500 edited (data generated by NextGen Sequencing)

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ATGAGCGGCACCAACTTGGATGGGAACGATGAGTTTGTATGAGCAGTTGCGAATGCAAGAA
TTGTACGGAGACGGCAAGGATGGTGACACCCAGACCGATGCCGGCGGAGAACCCGATTCT
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GGCGCATCTAGTTCTACCGCAAATGTTGAAGATGTCATGCTAGGACTGCAGAGGAACCT
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GGCAGCAGCTTTATTCTCAGTAGCGATGATGATGACGATGATATTTAA
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Clone variation with respect to NM_014500.4
1725 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014500 unedited
TATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGAAACATGAGCGGCACCAACT
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AGGATGGTGACACCCAGACCGATGCCGGCGGAGAACCCGATTCTCTCGGGCAGCAGCCGA
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CGGAACCCACTGATGCCAGAAAGAAGGGAGAAAAAAGAAAGGCTGAGTCAGGATGGTTTC
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TGGATGAATTTATACTAATTATGTCCAAGTTTGGCATTATTATGAGAGATCCTCAGACAG
AAGAATTTAAGGTCAAACTTTACAAGATAATCAAGGAAATCTTAAAGGAGACGGTCTTT
GCTGTTATTTGAAAAGAGAATCTGTGGAACCTGCATTANAACCTTTGGATGAAGATGAAA
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GCAGTTGATGGNAGACCTGAAAGCGAGCCGGACCATCCGGNATGCGCATGAGACGATTGN
CATATCAGAAATGGTTTCATCTTAGGATTGAGGAAAACCCCTGGTCTGAATGAACAAAAA
AACCTTGAAGNAAAGGTNCAAGTTGGACAATTGGAACCTCCTCTTGATAGCCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014500 unedited
GGGTTTCTCCCTTTTCTTTTATTGTGCAACCCACATACTTTACTCACTCCCTCAA
AATATTATTGTGCATGCATCTATCAAATTTGACACAAGCACAAGTCTCCAGTTTACTTGC
ATTGTAACATGACATTGAACTAAACAATTAATTAACGTATATTCAAACCATTTATGTA
CAGGTAACAATGAAACACTTGAATGGTCTAATGTGATGGCATACTACCACTATGCACATG
TCGCATGATAACGACTAGCTAGTTGATCTGATCCCGTGCAATGCACTATGGGCGACATGT
CGACACGTGGAGGCACCTCTAAGCTTACATCCCATGCGTTCATCCGTGACCATATATT
TCGCCCGTCCATTGTATCATCCCGATTCTTGATAATGCAGCTCTGTCCGACCATGTGT
CATCCCGTGCCTCTTGCTTGTAACTCCCGGAGAAACGTCGTTACGGCGTTTCTGTC
CGCCGAGACTTGTCCCGCGTCGTCGGTCGACTGCGACTGTTCCGCGCTATTCCGCCTCA
ACCGTCAGTTCGGCGGCCGACTGTTGTATGCGTATCACTATGTTACCTTACCATTCCG
GCCGCCCCCTATCTCCGACATAATATTTAACTTAGATTAATAGTCCGTCGACCCG
TATGAAGTCTGTATTGTTGGTCGCCTTTTGGCCATCCCGTCTCGCGCAGCCGATCCC
ATTCCATATTACGTTTTATTTTTGTTCCCTTTCGTCCTCATGTGATCCCCGCTTCCC
GCCCTTTTCTCCCTCTTTCCGTTATCCGTTCCGTCCTTCCATGTGTATCCCGTG
CCGCGCTCTTCGCTCTTCCATTTTATTCGTTCCCGCTCCCCGCCCCCTACGCATACCC
GTATGTCGCTCTCCCTNCTCCGAGTCCGTTGTCGTCCTCCGACCCCGCAGTGTTTTGAC
CCCTTCGCTCCCGTCGTTCCCGATCCCTCGTTGTATCAACCGAACCGTGTCTNCCACCTT
TGATCCGCTTCGATTGTCTCCTGTTCTTGGCCCTCGCGCAGCTCCTCTGTTACCGC
GTGGTCGCTCNATACGTCGCCGCCGCTCTGCGATGTCGGTATCTACCATCCCTCTCC
ATTATAT

Restriction Sites:

NotI-NotI

ACCN:

NM_014500

Insert Size:

2840 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: [NM_014500.3](#), [NP_055315.2](#)

RefSeq Size: 2776 bp

RefSeq ORF: 2268 bp

Locus ID: 27336

UniProt ID: [O43719](#)

Cytogenetics: Xq26.3

Domains: RRM

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene functions as a cofactor for the stimulation of transcriptional elongation by HIV-1 Tat, which binds to the HIV-1 promoter through Tat-TAR interaction. This protein may also serve as a dual-function factor to couple transcription and splicing and to facilitate their reciprocal activation. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Sep 2009]

Transcript Variant: This variant (2) is missing a 5' non-coding exon, and therefore, has a different 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.