

Product datasheet for **SC109826**

TFIIS (TCEA2) (NM_003195) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TFIIS (TCEA2) (NM_003195) Human Untagged Clone
Tag:	Tag Free
Symbol:	TFIIS
Synonyms:	TFIIS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003195, the custom clone sequence may differ by one or more nucleotides

```
ATGATGGGCAAGGAAGAGGAGATTGCGCGGATCGCCCGGAGGCTGGACAAGATGGTGACCAAGAAGAGCG  
CGGAGGGAGCCATGGATTTGCTGCGGGAGCTGAAGGCCATGCCTATCACGCTGCACCTGCTCCAGTCCAC  
CCGAGTCGGGATGTCTGTCAACGCCCTTCGGAAGCAGAGCTCGGATGAGGAGGTCATTGCACTGGCCAAG  
TCTCTCATCAAGTCTGGAAGAAGCTCCTGGATGCTTCCGATGCCAAAGCCAGGGAGCGGGGAGGGGCA  
TGCCTTGCCACGTCTCGAGGGATGCCTCAGAGGCCCGGATCCCAGCCGCAAGAGGCCGGAGCTGCC  
CAGGGCACCGTCGACTCCGAGGATCACCACATTTCTCCGGTGCCTGTCACCTGTGATGCCGTGCGCAAC  
AAGTGCCGCGAGATGCTGACCGCTGCCCTGCAGACGGACCATGACCACGTGCCATCGGTGCGGACTGCG  
AGCGCCTGTCGGCTCAGATCGAGGAATGCATCTTCCGGGACGTTGGAAACACAGACATGAAGTATAAGAA  
CCGTGTACGGAGTCGTATCTCCAACCTGAAGGATGCCAAGAACCCTGACCTGCGGCGGAATGTGCTGTGT  
GGGGCCATAACACCCAGCAGATCGCTGTGATGACCTCAGAGGAGATGGCCAGTGATGAGCTGAAGGAGA  
TCCGTAAGGCCATGACCAAGGAGGCCATCCGAGAGCACCAGATGGCCCGCACTGGCGGCACGCAGACAGA  
CCTGTTACCTGCGGCAAGTGCAGGAAAAGAAGTGCACCTACACACAGGTGCAGACCCGACGCTCTGAT  
GAGCCCATGACCACCTTTGTTGTCTGCAACGAGTGTGAAACCGCTGGAAGTTCTGCTGA
```



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5' Read Nucleotide Sequence:

```
>OriGene 5' read for NM_003195 unedited
ATTA AACACGACTACTATAGGCGGACGCAATTCGGCACGAGGCGGGTGTGGGAGGTG
GCGACGGCCGGGGCCGGGGTCTGCCCGGCTGCGGAGGCGGGCGGACGGGCGCGGGGT
CGCTGCTCCTGAGGCGATGATGGCAAGGAAGAGGAGATTGCGCGGATCGCCCGGAGGCT
GGACAAGATGGTGACCAAGAAGATCTTTTTGGAGCCATGGATTTGCTGCGGGAGCTGAA
GGCCATGCCTATCACGCTGCACCTGCTCCAGTCCACCCGAGTCGGGATGTCTGTCAACGC
CCTTCGGAAGCAGAGCTCGGATGAGGAGGTCATTGCACTGGCCAAGTCTCTCATCAAGTC
CTGGAAGAAGCTCCTGGATGCTTCCGATGCCAAAGCCAGGGAGCGGGGAGGGGCATGCC
TCTGCCACGTCCTCGAGGGATGCCTCAGAGGCCCGGATCCCAGCCGAAGAGGCCGGA
GCTGCCAGGGCACCGTCCGACTCCGAGGATCACCACATTTCTCCGGTGCCTGTCACCTG
TGATGCCGTGCGCAACAAGTGCCGCGAGATGCTGACCGCTGCCCTGCAGACGGACCATGA
CCACGTGGCCATCGGTGCGGACTGCGAGCGCTGTCGGCTCAGATCGAGGAATGCATCTT
CCGGGACGTTGGAACACAGACATGAAGTATAAGAACCGTGTACGGAGTCGTATCTCAA
CCTGAAGGATGCCAAGAACCCTGACCTGCGGCGGAATGTGCTGTGTGGGGCCATAACACC
CCAGCAGATCGCTGTGATGACCTCAGAGAGATGGCCAGTGTGAGCTGAAGGAGATCCCC
TAGGCCATGACCAAGGNAGCCATCCGAGAGCACCAGAGG
```

3' Read Nucleotide Sequence:

```
>OriGene 3' read for NM_003195 unedited
AAGCTTGGACCGCTGCCCAATCTTANAGTCGAGTTTTTTTTTTTTTTTTTTGGCAAAA
AGAACATTTAATAATGAGGGGAAAGGGCAGAAAGGTGCAATCCAGGCAGGCAGTTGAG
GGCAGGACATGCCGCTTCTAGGTCTCCAGAGAAGCTGTGTCAACGGAGGACGTGGGCC
GGGGAGGGCCCAAGGCTGCAGCACATCTACACGAGGGTACAGAGAACTCCAGCGGTTT
CCACACTCGTTGCAGACAACAAAGTGGTCATGGGCTCATCAGAGCTGCGGGTCTGCACC
TGTGTGTAGTGCAGTTCTTTTCTGCACTTGCCGCGAGTGAACAGGTCTGTCTGCGTG
CCGCCAGTGGGGCCATCTGGTCTCTCGGATGGCCTCCTTGGTCATGGCCTTACGGATC
TCCTTCAGCTCATCACTGGCCATCTCCTCTGAGGTATCACAGCGATCTGCTGGGGTGT
ATGGCCCCACACAGCACATTCGCGCCGAGTCCCGGCTTTGGGATCCTTCAGGCTGGAG
ATACGACTCCGTACACGGGTCTTATACTCATGTCTGTGTTCCACGTCCCGGAAGAAGA
TTCCTTGATCCGACCCGACAGGCGCCTCGAGCCCGCACCAGGGCCACGTGGCTCTGGTC
CCGCCGTAGGGCCACGGTTCATATCTCCGCGCCTTGGTGTGCCCGGCTTTCCGGCGA
CCAGCCCCCGGAGAAATGTGGTGAACCTCTTGGGCCGACGGGGCCCGGCACCTCCGCC
CCCCGGGCGGGCACCCCGGCCCGGGCCCTTTCAGGGCCCGCCCAAGCATTCCAC
TCCCCGCTCCCGCTTCGCCCCCGATCCTCAATCCCCCCCCACCCCGAGAACCC
TGGCCCCGCCAGACCACCCCTCCCCTCCTGTTCTAACGCCCCC
```

Restriction Sites:

NotI-NotI

ACCN:

NM_003195

Insert Size:

1250 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_003195.4](#), [NP_003186.1](#)

RefSeq Size: 1749 bp

RefSeq ORF: 900 bp

Locus ID: 6919

UniProt ID: [Q15560](#)

Cytogenetics: 20q13.33

Domains: TFIIS, TFS2N, TFS2M

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene is found in the nucleus, where it functions as an SII class transcription elongation factor. Elongation factors in this class are responsible for releasing RNA polymerase II ternary complexes from transcriptional arrest at template-encoded arresting sites. The encoded protein has been shown to interact with general transcription factor IIB, a basal transcription factor. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) encodes the longer isoform (a).