

## Product datasheet for **SC107876**

### TFIIS (TCEA2) (NM\_198723) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TFIIS (TCEA2) (NM_198723) Human Untagged Clone
Tag:	Tag Free
Symbol:	TCEA2
Synonyms:	TFIIS
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_198723, the custom clone sequence may differ by one or more nucleotides

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ATGGATTTGCTGCGGGAGCTGAAGGCCATGCCTATCACGCTGCACCTGCTCCAGTCCACCCGAGTCGGGA  
TGTCTGTCAACGCCCTTCGGAAGCAGAGCTCGGATGAGGAGGTCATTGCACTGGCCAAGTCTCTCATCAA  
GTCCTGGAAGAAGCTCCTGGATGCTTCCGATGCCAAAGCCAGGGAGCGGGGGAGGGGCATGCCTTGCCC  
ACGTCTCGAGGGATGCCTCAGAGGCCCGGATCCCAGCCGAAGAGCCGGAGCTGCCAGGGCACCGT  
CGACTCCGAGGATCACCACATTTCTCCGGTGCCTGTACCTGTGATGCCGTGCGCAACAAGTGCCGCGA  
GATGCTGACCGCTGCCCTGCAGACGGACCATGACCACGTGGCCATCGGTGCGGACTGCGAGCGCCTGTGC  
GCTCAGATCGAGGAATGCATCTTCCGGGACGTTGAAAACACAGACATGAAGTATAAGAACCCTGTACGGA  
GTCGTATCTCAAACCTGAAGGATGCCAAGAACCCTGACCTGCGGCGGAATGTGCTGTGTGGGGCCATAAC  
ACCCAGCAGATCGCTGTGATGACCTCAGAGGAGATGGCCAGTGTGAGCTGAAGGAGATCCGTAAGGCC  
ATGACCAAGGAGGCCATCCGAGAGCACCAGATGGCCCGCACTGGCGGCACGCAGACAGACCTGTTACCT  
GCGGCAAGTGCAGGAAAAAGAACTGCACCTACACACAGGTGCAGACCCGCAGCTCTGATGAGCCCATGAC  
CACCTTTGTTGTCTGCAACGAGTGTGAAACCCTGGAAGTTCTGCTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_198723 unedited NNTTGT CAGATTTTGTATACGACTCACTATAGCGGCCGGAATTCGCACCAGCCCTGCT GTGGTGCAGGAACATGTGGGCAGAGCCCTGGGTGTCTCCAGGAGGGAGCCATGGATTTGC TGCGGGAGCTGAAGGCCATGCCTATCACGCTGCACCTGCTCCAGTCCACCCGAGTCGGGA TGTCTGTCAACGCCCTTCGGAAGCAGAGCTCGGATGAGGAGGTCATTGCACTGGCCAAGT CTCTCATCAAGTCCTGGAAGAAGCTCCTGGATGCTTCCGATGCCAAAGCCAGGGAGCGGG GGAGGGGCATGCCTCTGCCACGTCCTCGAGGGATGCCTCAGAGGCCCCGGATCCCAGCC GCAAGAGCGCGGAGCTGCCCAGGGCACCGTCGACTCCGAGGATACCACATTTCTCCGG TGCTGTACCTGTGATGCCGTGCGCAACAAGTCCCGGAGATGCTGACCCTGCGCTGC AGACGGACCATGACCACGTGGCCATCGGTGCGGACTGCGAGCGCTGTCGGCTCAGATCG AGGAATGCATCTTCCGGGACGTTGAAACACAGACATGAAGTATAAGAACCCTGTACGGA GTCGTATCTCAAACCTGAAGGATGCCAAGAACCCTGACCTGCGGCGGAATGTGCTGTGTG GGCCATAACACCCAGCAGATCGCTGTGATGACCTCAGAGGAGATGGCCAGTGTGAGC TGAANGGAGATCCGTAGGCCATACCAAGGAGGCCATCCGAGAGCACCAGATGGCCCGCA CTGGCGGCACGCAGACAGACCTGTTACCTGCNGCAAGTGCAGGAAAAAGAACTGCACCT ACACACAGGTGCAGACCCGACGCTCTGATGAGCCATGACACCTTTTGTCTGCACGAG TGTGAAACGCTGGAAGTCTGCTCACCTCG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_198723
<b>Insert Size:</b>	2900 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_198723.1</a> , <a href="#">NP_942016.1</a>
<b>RefSeq Size:</b>	1661 bp
<b>RefSeq ORF:</b>	819 bp
<b>Locus ID:</b>	6919
<b>UniProt ID:</b>	<a href="#">Q15560</a>
<b>Cytogenetics:</b>	20q13.33
<b>Protein Families:</b>	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 (2) differs in the 5' UTR and coding region compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a.