

## Product datasheet for RC202427

### TFIIS (TCEA2) (NM\_198723) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TFIIS (TCEA2) (NM_198723) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TFIIS
Synonyms:	TFIIS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202427 representing NM_198723 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATTTGCTGCGGGAGCTGAAGGCCATGCCTATCACGCTGCACCTGCTCCAGTCCACCCGAGTCGGGA  
TGTCTGTCAACGCCCTTCGGAAGCAGAGCTCGGATGAGGAGGTCATTGCACTGGCCAAGTCTCTCATCAA  
GTCCTGGAAGAAGCTCCTGGATGCTTCCGATGCCAAAGCCAGGGAGCGGGGGAGGGGCATGCCTTGCCC  
ACGTCCTCGAGGGATGCCTCAGAGGCCCGGATCCCAGCCGAAGAGCCGGAGCTGCCAGGGCACCGT  
CGACTCCGAGGATCACCACATTTCTCCGGTGCCTGTACCTGTGATGCCGTGCGCAACAAGTGCCGCGA  
GATGCTGACCGCTGCCCTGCAGACGGACCATGACCACGTGGCCATCGGTGCGGACTGCGAGCGCCTGTGC  
GCTCAGATCGAGGAATGCATCTTCCGGGACGTTGAAAACACAGACATGAAGTATAAGAACCCTGTACGGA  
GTCGTATCTCAAACCTGAAGGATGCCAAGAACCCTGACCTGCGGCGGAATGTGCTGTGTGGGGCCATAAC  
ACCCCAGCAGATCGCTGTGATGACCTCAGAGGAGATGGCCAGTGATGAGCTGAAGGAGATCCGTAAGGCC  
ATGACCAAGGAGGCCATCCGAGAGCACCAGATGGCCCGCACTGGCGGCACGCAGACAGACCTGTTCACT  
GCGGCAAGTGCAGGAAAAAGAACTGCACCTACACACAGGTGCAGACCCGAGCTCTGATGAGCCCATGAC  
CACCTTTGTTGTCTGCAACGAGTGTGAAACCCTGGAAGTTCTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC202427 representing NM\_198723  
Red=Cloning site Green=Tags(s)

MDLLRELKAMPITLHLLQSTRVGMVSNALRKQSSDEEVIALAKSLIKSWKLLDASDAKARERGRGMPLP  
 TSSRDASEAPDPSRKPELPRAPSTPRITTFPPVPVTCDAVRNKCREFMLTAALQTDHHDHVAIGADCERLS  
 AQIEECIFRDVGNLDMKYKNRVSRI SNLKDKNPDLRNVLGCAITPQQIAVMTSEEMASDELKEIRKA  
 MTKEAIREHQMARTGGTQDLDLFTCGKCRKKNCTYTQVQTRSSDEPMTTFVVCNECGNRWKFC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1505\\_a08.zip](https://cdn.origene.com/chromatograms/ja1505_a08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_198723

**ORF Size:** 816 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_198723.2](#)

**RefSeq Size:** 1661 bp

**RefSeq ORF:** 819 bp

**Locus ID:** 6919

**UniProt ID:** [Q15560](#)

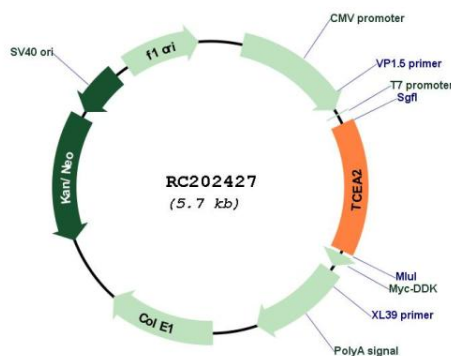
**Cytogenetics:** 20q13.33

**Protein Families:** Transcription Factors

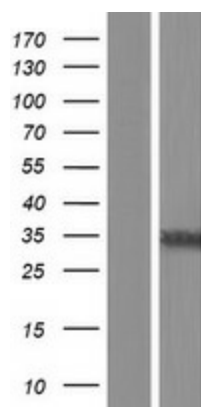
**MW:** 30.4 kDa

**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]

### Product images:



Circular map for RC202427



Western blot validation of overexpression lysate (Cat# [LY404791]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202427 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).