

## Product datasheet for **SC303858**

### TAF5 (NM\_006951) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAF5 (NM_006951) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAF5
Synonyms:	TAF(II)100; TAF2D; TAFII-100; TAFII100
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC303858 representing NM\_006951.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGCGGCGCTGGCGGAGGAGCAGACGGAGGTGGCGGTCAAGCTAGAGCCTGAGGGACGCCAACGCTG
CTACCTCCGACGGCGGGGACGGCGAGGCGAGGTAGCGGCGGCACTACCAACAACGGCCCAACGGC
GGCGGGGGAACGTTGCGGCGTCTGTCCTCACTGGCGGGGATGGCGGGACCCCAAGCCACGGTGGCT
GTCTCCGCGCTGCCCGCGGGGGCGGCCCGGTGCCGCGCTGCTCCGGACGCCGGCTCCGCAT
GACCGACAGACTCTACTGGCGTGTGCAGTTCCTACGGCAGAGCAAACCTCCGCGAGGCCGAAGAGGCG
CTGCGCCGTGAGGCCGGGCTGCTGGAGGAGCAGTGGCGGGCTCCGGAGCCCGGAGAGGTGGACAGC
GCCGGCGTGTAGGTGACAGCGCTTCTCAGCCGGGTGACCGCCTCGGCCCTGGCCCTGCGGCCCC
GACCTCCGGGACTGGCGTTCGGGGGCCACGGTCTCAGGTTACGCTCAGGTTCTGCGGCTCCG
GGTAAAGTTGGAAGTGTGCTGTGAAGACCAGCCAGATGTCAGTGCCGTGTTGCAGCCTACAACCA
CAAGGAGATCCACAATGTATGAAGAATACTATAGTGGACTGAAACACTTCATTGATGTTCCCTGGAC
TGCCATCGGGCAGAGTTGCCAACTTTTTATCTCTGTTTGTGCACATGTACTTGGAGCTAGTCTAC
AATCAACATGAGAATGAAGCAAAGTCATCTTTGAGAAGTTCCATGGAGATCAGGAATGTTATTACCAG
GATGACCTACGAGTATTACTAGTCTTACCAAAAAGGAACACATGAAAGGGAATGAGACCATGTTGGAT
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AAAAAACAGATCCCAATGCTCCACCTCAGAACAGAATCCCTCTTCCTGAGTTGAAAGATTGAGATAAG
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GTCAAACAAGCATCAGATCTTAGTCTTATAGACAAAGAATCAGATGATGTCTTAGAAGAATCATGGAT
GAGAAAACAGCAAGTGAAGTGAAGATTTGTATGGTCACAGTGGCCTGTCTACGGAGCCAGCTTCAGT
CCGGATAGGAATCTGCTTTCCTCTTCAGAGGACGGAAGTGTAGATTGTGGAGCCTTCAAACATTT
ACTTGTGTTGGTGGATATAAAGGACACAATATCCAGTATGGGACACACAATTTCTCCATATGGATAT
TATTTTGTGTGAGGGGGCATGACCGAGTAGCTCGGCTCTGGGCTACAGACCACTATCAGCCTTTAAGA
ATATTTGCCGGCCATCTTGTGATGTGAATTGTACCAGATTCCATCCAAATTTAATTATGTTGCTACG
GGCTCTGCAGACAGAAGTGTGCGGCTCTGGGACGTCTGAATGGTAACTGTGAAGGATCTTCACTGGA
CACAAGGGACCAATTCATTCCTTGACATTTTCTCCCAATGGGAGATTCTGGCTACAGGAGCAACAGAT
GGCAGAGTGTCTTTGGGATATTGGACATGGTTTGTGGTGGAGAATTAAGGCCACACTGATACA
GTCTGTCACTTAGGTTTAGTAGAGATGGTAAATTTGGCATCAGGTTCAATGGATAATACAGTTCGA
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AATTTACCTGAGAATTCACAGGAGTTATTGTTGGGAACATATGACCAAATCAACACCAGTTGTACAC
CTTCATTTTACTCGAAGAACCTGGTTCTAGCTGCAGGAGCTTATAGTCCACAATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_006951  
**Insert Size:** 2403 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA

**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\\_006951.3](#)

**RefSeq Size:** 3283 bp

**RefSeq ORF:** 2403 bp

**Locus ID:** 6877

**UniProt ID:** [Q15542](#)

**Cytogenetics:** 10q24.33

**Protein Families:** Transcription Factors

**Protein Pathways:** Basal transcription factors

**MW:** 86.8 kDa

**Gene Summary:**

Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is transcription factor IID (TFIID), which binds to the core promoter to position the polymerase properly, serves as the scaffold for assembly of the remainder of the transcription complex, and acts as a channel for regulatory signals. TFIID is composed of the TATA-binding protein (TBP) and a group of evolutionarily conserved proteins known as TBP-associated factors or TAFs. TAFs may participate in basal transcription, serve as coactivators, function in promoter recognition or modify general transcription factors (GTFs) to facilitate complex assembly and transcription initiation. This gene encodes an integral subunit of TFIID associated with all transcriptionally competent forms of that complex. This subunit interacts strongly with two TFIID subunits that show similarity to histones H3 and H4, and it may participate in forming a nucleosome-like core in the TFIID complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).