

Product datasheet for **SC116191**

TAF10 (NM_006284) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF10 (NM_006284) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAF10
Synonyms:	TAF2A; TAF2H; TAFII30
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006284, the custom clone sequence may differ by one or more nucleotides

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ATGAGCTGCAGCGGCTCCGGCGCGGACCCCGAGGCGGCGCCGGCCTCCGCCGCTCGGCCCGGGCCCCG
CGCCCCGGTCTCGGCTCCCGCCGCGCTGCCCTCCAGCACCGCCGCGGAGAAACAAGGCCAGCCCCGCGGG
GACAGCGGGGGACCTGGGGCTGGAGCAGCTGCTGGGGGCACGGGACCCTTGCGGCGCGGGCCGGGGAG
CCAGCTGAGCGGCGTGGGGCGGCTCCGGTGTGGCGGGTGGCGCGGCCCGGAGGGGCCATATCTA
ACGGGGTTTACGTACTGCCGAGCGGCCAACGGAGACGTGAAGCCCGTGGTGTCCAGCACGCCTTTGGT
GGACTTCTTGATGCAGCTGGAAGATTACACGCCTACGATCCAGATGCAGTGACTGGTTACTACCTGAAC
CGTGCTGGCTTTGAGGCCTCAGACCCACGCATAATTCGGCTCATCTCCTTAGCTGCCAGAAATTCATCT
CAGATATTGCCAATGATGCCCTACAGCACTGCAAATGAAGGGCACGGCCTCCGGCAGCTCCCGGAGCAA
GAGCAAGGACCGCAAGTACACTTAACCATGGAGGACTTGACCCCTGCCCTCAGCGAGTATGGCATCAAT
GTGAAGAAGCCGCACTACTTCACCTGA
```



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006284 unedited
 TTTGTAATACGACTCACTATAGGGCGGCNCGCAATTCGCACGAGGCCGGCCCGATGAGC
 TGCAGCGGCTCCGGCGCGGACCCCGAGGCGGCGCCGGCTCCGCCGCCTCGGCCCGGGC
 CCCGCGCCCCGGTCTCGGCTCCCGCCGCGTGCCTCCAGCACCGCCGCGGAGAACAAG
 GCCAGCCCCGCGGGGACAGCGGGGGGACCTGGGGCTGGAGCAGCTGCTGGGGCACGGGA
 CCCTTGGCGCGCGGGCCGGGAGCCAGCTGAGCGGCGTGGGGCGGCTCCGGTGTGCGCG
 GGTGGCGCGCGCCCGCCCGAGGGGGCCATATCTAACGGGTTTACGTACTGCCGAGCGCG
 GCCAACGGAGACGTGAAGCCCGTGGTGTCCAGCACGCCTTTGGTGGACTTCTTGATGCAG
 CTGGAAGATTACACGCCTACGATCCCAGATGCAGTGACTGGTTACTACCTGAACCGTGCT
 GGCTTTGAGGCCTCAGACCCACGCATAATTCGGCTCATCTCCTTAGTGCCAGAAATTC
 ATCTCAGATATTGCCAATGATGCCCTACAGCACTGCAAAATGAAGGGCACAGCCTCCGGC
 AGCTCCCGGAGCAAAGAGCAGGACCGCAAGTACACTCTAACCATGGAGGACTTGACCCCT
 GCCCTCAGCGAGTATGGCATCAATGTGAAGAAGCCGCACTACTTACCTGAGCCACCCAA
 CCTAAATGTACTTATCTGTCCCATGTCCCCACACCAGCCTGTTTTATAAATAAACGTT
 ATGTGACAGGCCNNNNNNNNNNNTNNNNNTNNNNNGNCCNNNACTCCAACCCCTAT
 TNCCCTAAACAAAATATTCTCTTGCCACTTTAAAAATCAAAAAACCCCCCTCTCTAA
 TTGCGGCCNGGGATAAGTGTCTGAAAAAACCGGGGGCACCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006284 unedited
 GGGGGNNGGGGGNNGGGGNNNNNNNGTNNNANNTTNTNNNNNNNGGGTTTTTCTGTGCC
 GATAGAAGATTTCTTATGTTAAACAGNNCTGGTGTGGGNACATGGGNACAGCAAAG
 TACATTTAGTTGGTGGCTCAGGTGAAGTAGTGGGCTTCTTACATTGATGCCATACT
 CGCTGAGGGCAGGGTCAAGTCCATGGTTAGAGTGTACTTGGGTCCTTGCTCTTGC
 TCCGGGAGCTGCCGAGGCTGTGCCCTTCAATTTGCAGTGTGTAGGGCATATTGGCAA
 TATCTGAGATGAATTTCTGGGCAGCTAAGGAGATGAGCCGAATTATGCGTGGGTCTGAGG
 CCTCAAAGCCAGCACGGTTCAGGTAGTAACCAAGTCACTGCATCTGGGATCGTAGGCGTGT
 AATCTTCCAGTGCATCAAGAAGTCCACCAAAGGCGTGTGGACACCACGGGTTACAGT
 CTCCGTTGGCCGCGCTCGGCAGTACGTAACCCCGTTAGATATGGCCCCCTCCGGGGGCG
 CCGGCCACCCCGGACACCGGAGCCGTCACCGCCGCTCAGCTGGCTCCCGGCGCCGCG
 CGGCCAAGGGTCCCGTCCCGCCAGCAGTGTCCAGCCCCAGGTCCTCCCGCTGTCCCG
 CGGGGCTGGCCTTGTCTCCCGCGCGGTGCTGGAGGGCACCGCGCGGCGAGCCGATACCG
 GGGCGCGGGGCCCGGGGCCGAGGCGGCGGATGCCGTCGCCGCTTGGGGTCCCGCGCG
 GTACCGTTGTAGCTTATCGGGCCCGCCTTGTGTCCGAATTCCTGGCCGCCCTATAGTGA
 GTCGTATTACAAAATTCTGCACGGTTCATAAACGAACCTTTGCTTATATAACACCTCCA
 CCCGTTACGCTTACCCCTTTTGGCGTAAACGGGGCGGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_006284

Insert Size:

3760 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_006284.2](#), [NP_006275.1](#)

RefSeq Size: 762 bp

RefSeq ORF: 657 bp

Locus ID: 6881

UniProt ID: [Q12962](#)

Cytogenetics: 11p15.4

Domains: TFIID_30kD

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Basal transcription factors

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 one of the small subunits of TFIID that is associated with a subset of TFIID complexes. Studies with human and mammalian cells have shown that this subunit is required for transcriptional activation by the estrogen receptor, for progression through the cell cycle, and may also be required for certain cellular differentiation programs. [provided by RefSeq, Jul 2008]