

Product datasheet for **SC116607**

TAF11 (NM_005643) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF11 (NM_005643) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAF11
Synonyms:	MGC:15243; PRO2134; TAF2I; TAFII28
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005643, the custom clone sequence may differ by one or more nucleotides

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ATGGACGATGCCACGAGTCGCCCTCCGACAAAGGTGGAGAGACAGGGGAGTCGGATGAGACGGCCGCTG
TGCCCGGGGACCCGGGGCTACCGACACCGATGGAATCCCAGAGGAACTGACGGAGACGCAGATGTGGA
CTTGAAAGAAGCTGCAGCGGAGGAAGGCGAGCTCGAGAGTCAGGATGTCTCAGATTTAACACAGTTGAA
AGGGAAGACTCATCATTACTTAATCCTGCAGCCAAAAAAGTAAAATAGATACCAAAGAAAAAGAAAGAGA
AAAAGCAGAAAGTAGATGAAGATGAGATTCAGAAGATGCAAATCCTGGTTTCTTCTTTTCTGAGGAGCA
GCTGAACCGTTATGAAATGTATCGCCGCTCAGCTTCCCTAAGGCAGCCATCAAAGGCTGATCCAGTCC
ATCACTGGCACCTCTGTGTCTCAGAATGTTGTTATTGCTATGCTGGTATTTCCAAGTTTTTCGTCGGGG
AGGTGGTAGAAGAAGCACTGGATGTGTGTGAGAAGTGGGGAGAAATGCCACCACTACAACCCAAACATAT
GAGGGAAGCCGTTAGAAGGTTAAAGTCAAAGGACAGATCCCTAACTCGAAGCACAAAAAATCATCTTC
TTCTAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005643 unedited</p> <pre>TCAGCATTTGTAATACGAACTCACTATAGGGCGGCCGGAATTCGCACGAGGCTGCCTCA GGCATCTCCGCGATCTCCTCTCCCCTCCAATCCTATCCGTGATGGACGATGCCACGAGT CGCCCTCCGACAAAGGTGGAGAGACAGGGGAGTCGGATGAGACGGCCGCTGTGCCCGGG ACCCGGGGGCTACCGACACCGATGGAATCCCAGAGGAACTGACGGAGACGCAGATGTGG ACTTGAAGAAGCTGCAGCGGAGGAAGGCGAGCTCGAGAGTCAGGATGTCTCAGATTTAA CAACAGTTGAAAGGGAAGACTCATCATTACTTAATCCTGCAGCCAAAAAAGTAAAAATAG ATACCAAAGAAAAGAAAGAGAAAAAGCAGAAAGTAGATGAAGATGAGATTCAGAAGATGC AAATCCTGGTTTTCTTTCTTTCTGAGGAGCAGCTGAACCGTTATGAAATGTATCGCCGCT CAGCTTTCCCTAAGGCAGCCATCAAAGGCTGATCCAGTCCATCACTGGCACCTCTGTGT CTCAGAATGTTGTTATTGCTATGTCTGGTATTTCCAAGGTTTTCTGCGNGAGGTGGTAG AAGAAGCACTGGATGTGTGTGAGAAGTGGGGAGAAATGCCACCACTACAACCCAAACAT ATGAGGGAAGCCGTTAGAAGGTTAAAGTCAAAGGACAGATCCCTAACTCGAAGCACAAA AAAATCATCTTTCTTAGACCAAAGTCTAGAAAGGCCCTATGTACTGACGGAAGAAGTA TTGGTTCCAGACTTCTATTAGACTGGCTGCATTGGTGCITTAATATCTCCAGCCTCCCA GGATTCCATGATGATTNTAANGGCTTTCTCAAACCTCTGAATTTGTCCACCTAAAAGGA TGGACCTGATGAACTGGCCTGC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005643 unedited</p> <pre>GCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCAAGTTGGAAAACAGTTTA ATGATCACTCACAAAATCCACAGGAAGAATCTTAAATGTTTACAAGCACCAATTATTCT GCTATTCTGCCATCACCGCATCCTTCATGGTAGAGTATCACAAGTAAAAGTTTCTGGTT GTTTCATCTACTTAAAACCAGATATAAGAAACAACCTAAGTCTTAGCAACTTCAGGCTTC AATGTGAAACCATTAAAGCCCTCAGCACTTTAGGAGGCTGAGGCAGGAGGACTGCTTGAA GCCAGGAGTTCACGACCGCCTGGGCAACAAGCAAGACCCCATCTCCATAAAAAATAAA AATAAGTTAGCTGGGCACAGTAGTGTGTGCCTGTAGTCTAGCTACTCAGGAGACTGAGG TGGGAGGGTCACTTAAGCCCAGGAGTTCAGGCTGCAGTCATGCCGCTGCACTCCAGCCT AGGTGATAGAGCAAGACCTATCTCANACAAAACGAAACCAAAAACAAAACAACTCTCT TGGAAAGGTTTTCTCTCTGAAAGCAGTCCCCTGTCCAGAAGATGCTTATGGCCCACGTA TCTTCTTTCAACTGGTCAAGACAGTTAAATACTTCAAAATGCCCCCAAGAGTCCCAAAAT TTAGTCAAGGCAAGTATCAATCAGGCTACATACTTTCTAGTGTGACAAAATACAGAGTT TTGAGAAAGACTTTAAAATCATCTGGAATTCTTGGNAGCCTGAGATACTTAAGCCACCA TGCAGACAGTTTTATAAGAAGTTCTGAACCAATACTCTCCGTCAGTAACATAGGCCTTC TAGACCTTGGTCTAAAGAAGAGATTTTTTTGGCCTCAGTTAGGGAAGTGCCTTTGACTT TAACCTCTAAACGGTCTTAATAGTTGGGTTGGAAGGGC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005643
Insert Size:	1710 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_005643.2](#), [NP_005634.1](#)

RefSeq Size: 1599 bp

RefSeq ORF: 636 bp

Locus ID: 6882

UniProt ID: [Q15544](#)

Cytogenetics: 6p21.31

Domains: TAFII28

Protein Families: 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 a small subunit of TFIID that is present in all TFIID complexes and interacts with TBP. This subunit also interacts with another small subunit, TAF13, to form a heterodimer with a structure similar to the histone core structure. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2012]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).