

Product datasheet for **SC111695**

TAF6 (NM_005641) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF6 (NM_005641) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAF6
Synonyms:	ALYUS; MGC:8964; TAF(II)70; TAF(II)80; TAF2E; TAFII-70; TAFII-80; TAFII70; TAFII80; TAFII85
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_005641, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGAGGAGAAGAAGCTGAAGCTTAGCAACACTGTGCTGCCCTCGGAGTCCATGAAGTGGTGGCTG
AATCCATGGGCATCGCCAGATTAGGAGGAGACCTGCCAGCTGCTAACGGATGAGGTGAGTACCCGCAT
CAAAGAGATCGCACAGGATGCCTTGAAGTTCATGCACATGGGGAAGCGGAGAAGCTCACCACCAGTGAC
ATTGACTACGCCTTGAAGCTAAAGAATGTCGAGCCACTCTATGGCTTCCACGCCAGGAGTTCATTCCTT
TCCGCTTCGCCTCTGGTGGGGGCCGGGAGCTTTACTTCTATGAGGAGAAGGAGGTTGATCTGAGCGACAT
CATCAATACCCCTCTGCCCGGGTGGCCCTGGACGTCTGCCTCAAAGCTCATTGGCTGAGCATCGAGGGC
TGCCAGCCAGCTATCCCCGAGAACCCGCCCCAGCTCCCAAAGAGCAACAGAAGGCTGAAGCCACAGAAC
CCCTGAAGTCAGCCAAGCCAGGCCAGGAGGAAGACGGACCCCTGAAGGGCAAAGGTCAAGGGGCCACCAC
AGCCGACGGCAAAGGGAAAGAGAAGAAGGCGCCGCCCTTGGTGGAGGGGGCCCCCTTGGACTGAAGCCC
CGGAGCATCCACGAGTTGTCTGTGGAGCAGCAGCTCTACTACAAGGAGATCACCGAGGCCCTGCGTGGCT
CCTGCGAGGCCAAGAGGGCGGAAGCCCTGCAAAGCATTGCCACGGACCCCTGGACTGTATCAGATGCTGCC
ACGGTTACGTACCTTTATCTCGGAGGGGTCCGTGTGAACGTGGTTCAGAAACACCTGGCCCTACTCATC
TACCTGATGCGTATGGTAAAAGCGCTGATGGACAACCCACGCTCTATCTAGAAAAATACGTCCATGAGC
TGATCCAGCTGTGATGACCTGCATCGTGAGCAGACAGTTGTGCCTGCGACCAGATGTGGACAATCACTG
GGCACTCCGAGACTTTGCTGCCCGCCTGGTGGCCAGATCTGCAAGCATTTTAGCACAACCACTAACAAC
ATCCAGTCCCGGATCACAAGACCTTACCAAGAGCTGGGTGGACGAGAAGACGCCCTGGACGACTCGTT
ATGGCTCCATCGCAGGCTTGGCTGAGCTGGGACACGATGTTATCAAGACTCTGATTCTGCCCCGGCTGCA
GCAGGAAGGGGAGCGGATCCGCAGTGTGCTGGACGGCCCTGTGCTGAGCAACATTGACCGGATTGGAGCA
GACCATGTGCAGAGCCTCTGCTGAAACACTGTGCTCCTGTTCTGGCAAAGCTGCGCCACCCGCTGACA
ATCAGGACGCCTATCGGGCAGAATTCGGGTCCCTTGGGCCCTCCTCTGCTCCCAGGTGGTCAAGGCTCG
GGCCAGGCTGCTCTGCAGGCTCAGCAGGTCAACAGGACCACTCTGACCATCACGCAGCCCCGGCCACG
CTGACCCCTCTCGCAGGCCCCACAGCCTGGCCCTCGCACCCCTGGCTTGTGAAGTTCTGGCTCCATCG
CACTTCTGTCCAGACTGGTGTCTGCACGAGCGGCTGCCCCACCACAGCCTTCCCCTCTCAACCAA
GTTTATTGTAATGTCATCGTCTCCAGCGCCCATCCACCAGCAGGTCTGTCCCTCAGCACCTCGGCC
CCCGGCTCAGGTTCCACCACCACTTCGCCCGTACCACCACCGTCCCAGCGTGCAGCCCATCGTCAAGT
TGGTCTCCACCGCCACCACCGCACCCCCAGCACTGCTCCCTCTGGTCTGGGAGTGTCCAGAAGTACAT
CGTGGTCTCACTTCCCCAACAGGGGAGGGCAAAGGAGGCCCCACCTCCCATCCTTCTCCAGTTCCTCCC
CCGGCATCGTCCCGTCCCCTCAGCGGCAAGTGCCTTTGTGGGGGAAGCAGGAGGCTGGGGACAGTC
CCCTCCAGTCCAGGACTCCAAAAGCAATGGCTCCCAGCCAACTCCGGCTCCCCTCAGCCTGCTCC
GTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005641 unedited NNTGTTTTGCGCATTATGTATACGACTCACTTATAGGGCGGCCGCGATTCCGGCACGAGGC GCCAAGCGCCGGGTGAGCAGCGTCTCGGCTGCCGCTAGAGTTTTCTGCTCCCCGCGCTC GGCTGGCGGGGGCGGGTCTGAGTGGTACCCCGGAGGAGACCCCTTGAAGGTCCCTTGTGG GGACTGGAAAGAGGACGGGTCTCCGTCTCTCCACCGGGGGCTTCATCCTTCCAGGGAGGA GAAGAGGGACTCCAGAATGGCTGAGGAGAAGAAGCTGAAGCTTAGCAACACTGTGCTGCC CTCGGAGTCCATGAAGGTGGTGGCTGAATCCATGGGCATCGCCAGATTACAGGAGGAGAC CTGCCAGCTGCTAACGGATGAGGTGAGCTACCGCATCAAAGAGATCGCACAGGATGCCTT GAAGTTCATGCACATGGGGAAGCGGCAGAAGCTACCACCAAGTGACATTGACTACGCCTT GAAGCTAAAGAATGTCGAGCCACTCTATGGCTTCCACGCCAGGAGTTCATTCTTTCCG CTTCGCTCTGGTGGGGGCCGGGAGCTTACTTCTATGAGGAGAAGGAGTTGATCTGAG CGACATCATCAATACCCCTCTGCCCGGGTCCCCTGGACGTCTGCCTCAAAGCTCATTG GCTGAGCATCGAGGGCTGCCAGCCAGCTATCCCCGAGAACCCGCCCCAGCTCCCAAAGA GCAACAGAAGGCTGAAGCCACAGAACCCTGNAGTCAGCCAAGCCAGGCCAGNAGAAGA CGGACCCCTNGAGGGCANAGGTCAAGNGCCACCACAGCCGACGGCANAGGGAAAGAGAA GAANGCGCCGCTTGCTGTNNAGGGCCCCCTTTCGACTGAGCCCGNACATNCAGAGNT GTCTGTGGAGCAGCAGCTCTACT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005641 unedited CGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTACAAACAACTTTTATTCTGAGAA ACTGGCTGTACAATATCTAAAAAGAAAGTGACATGAAGGAAGCAATCTACAACCTCCTTC CGTTATCGTGTCATGTGTGTACGTGCACGTGTGTACGTGTCTGCATGTGTGGGAAT CCGGGGGCTGGCAGGTGGAGCATCACGGAGCAGGCTGAGGGGAGCCGGAGTTGGGCTGGG AGCCATTGGCTTTGGAGTCCCTGGAGCTGGAGGGGACTGTCCCCAGCCTCCTGCTTCC CCCCACAAAGGGCACTGCCGCTGAGTGGGGACGGGGACGATGCCGGGGGAGGAAGTGGAG AAGGATGGGAGGTGGGGCCTCCTTTGCCCTCCCCTGTTGGGGGAAGTGAGACCACGATGT ACTTCTGGACACTCCCAGGACCAGAGGGATCATTGCTGGGGGGTGCGGTGGTGGCGGTGG ATACCAACTTGACGATGGGCTGCACGCTGGGGACGGTGGTGGTACGGGGCAAGTGGTGG TGAACCTGAGCCGGAGCCGAGGTGCTGAGGGACAGGACCTGCTGGGTGGATGGGGCCG TGGAGGACGATGACATTACAATAACTTTTTGTCTGGAAAGATGGGATAGCTTGTGGTGGGG CATCCGCTCGTGACAGACACCATTGTCTGGACAGTATGTGCGATTGGACCCAGGAACCTTC ATCATGCCATGGGTTGCGATGCCAAGCTGTGGGGCTGCCATAGGTTTCATCGTGGGCC GGGCTGCGTGATGGTCATAGTGGTCTGTTGCCCTGCTGAGCCTGCATAACAACCTGGGC CCGAACCTTGACCACCTGGGAACACAAGAAGGGGCCCAAGGTGACCCGAATTTTGCCCGA TAGGCCTCCTGTTGTTATGCGGTGGCGCCATTCTTCAAAAAAAGAAACAAGGGTCTTA ACACGAGTCTCTCAAATGGTCTGCTCTAATCCGTCAAGGTCGTAACCAACGGCT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_005641
Insert Size:	2390 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:	<ol style="list-style-type: none">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_005641.2 , NP_005632.1
RefSeq Size:	2787 bp
RefSeq ORF:	2787 bp
Locus ID:	6878
UniProt ID:	P49848
Cytogenetics:	7q22.1
Domains:	TAF
Protein Families:	Transcription Factors
Protein Pathways:	Basal transcription factors
Gene Summary:	<p>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 smaller subunits of TFIID that binds weakly to TBP but strongly to TAF1, the largest subunit of TFIID. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]</p> <p>Transcript Variant: This variant (1) encodes isoform alpha. Both variants 1 and 2 encode the same isoform.</p>