

Product datasheet for **SC100086**

TAF1B (NM_005680) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF1B (NM_005680) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAF1B
Synonyms:	MGC:9349; RAF1B; RAFI63; SL1; TAFI63
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_005680, the custom clone sequence may differ by one or more nucleotides

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ATGGACCTCGAGGAGCGGAAGAGTAAAGAACGCTGTAAGTGTGCTGCTGTCTCATGGGCTTAA
CTGATGAAGGCAATATTATTGCACCTCTGCCACAATGTACAGAGAGATATCAGGAAGTTACAAACAC
TGATCTTATTCTAATACCCAAATAAAAGCCCTCAACCGGGGCTTAAAAAAAAAACAATACTGAAAA
GGCTGGGATTGGTATGTGTGAAGTTCCAGTATATTCTTTATCAACAAGCAGAAGCCTTAAAGAACC
TTGGAGTAGGCCAGAGTTAAAGAACGATGTTTTACATAATTTTTGGAAGCGCTACCTTCAGAAGAGCAA
GCAGGCATATTGTAAGAACCAGTTTATACCACTGGAAGGAAACCTACGGTATTAGAAGATAATCTAAGT
CATTGAGACTGGGCTAGTGAGCCTGAGCTGCTAAGTGTGTGCTGCTCCTCTTTCTTAAAGTGGAG
CGGAGTCTCAGTCTGACATCCACACTCGAAAACCTTTCCCGTCAGCAAAGCATCACAATCAGAAACGTC
TGTCTGCTCTGGATCTCTGGATGGAGTTGAATACTCACAACGAAAGGAGAAGGGAATCGTGAAGATGACC
ATGCCACAGACACTTGCCTTCTGTTATCTGCTTACTTTGGCAGAGAGAAGCAATAACACTTTCAGATC
TTTTGAGGTTTGTGAAGAGGACCATATTCCTTACATAAATGCTTTTCAGCATTTCCAGAACAGATGAA
ATTATATGGACGCTGACAGAGGAATCTTTGGTATAGAGTCTTGGCCTGACTACGAGGACATCTATAAAAA
ACAATAGAAGTTGGAACATTTTTAGATTTGCCTCGTTTTCCAGACATAACTGAAGACTGCTATCTTCATC
CCAACATACTGTGTATGAAATACTTGTGGAAGTCAACCTCCCTGATGAAATGCATAGCTTAACTTGCCA
CGTGGTAAAAATGACTGGAATGGGAGAAGTGGATTTTCTGACATTTGATCCTATAGCTAAAAATGGCAAAA
ACTGTTAAGTACGATGTACAAGCTGTAGCTATCATTGTGGTGGTATTGAAACTGCTTTTCTATTGGATG
ACAGTTTCGAGTGGTCTTTGTCTAATCTTGCTGAAAAGCATAATGAAAAGAACAAAAAGATAAGCCATG
GTTTGATTTCCAGAAAGTGGTACCAAAATTAAGAAAGCTTTTGATGAGAAAAACAATAAGGGAAGAA
GCAAGGGCCAAGTACCTGTGAAAAGTAAAAGCCACTCTACTACTCATTGTGCGACAAACAGATAGCAT
ATAAAAAAGAGAAATGGTGGTGAATCTACAGAAACAATTTAGCACACTGGTTCGAGTCAACAGCAACTGC
TGAAAAAAAAGCCCTTCAAGTTTTAGTTCAACTGGACTGAAGAGGACTGATAGAAGCTGTTCCAT
GGACACAGCCTTCAGGGAGTCTGAAAGAGAAAGGCAATCACTGCTGACTAAGAATTCATTATATTGGC
TTAGTACACAGAAATTCGCAGATGCTATTGTACACATGTGACAACCTATGAAGAATCAAATTTCTCT
GAGTTATCAGTTTATACTAAATCTTCTCTCTCTGCTCAGAATAAAGACTTCCCTTCTCCATGAAGAA
GTGAGCTTAGTTGAGAAGAACTTTTTGAGAAAAATACAGTGTAAAAAGAAAGAATCAAGATCCAAGA
AAGTGAGACGACATTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005680 unedited

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TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGGTCCCGGCTGTGGA
AGCTCCCGCGGCCCGCGATGGACCTCGAGGAGTCGGAAGAGTTAAAGAACGCTGTAAGT
CAGTGTGCTGCTGTCTCATGGGGTCTTACTGATGAAGGCAATATTATTGCACCTTCTGC
CACAAATGTTACAGAGAGATATCAGGAAGTTACAACACTGATCTTATTCCCTAATACCCAA
ATAAAAGCCCTCAACCGGGGCTTAAAAAAAAAACAATACTGAAAAGGCTGGGATTGG
TATGTGTGTGAAGTTCCAGTATATTCTTTATCAACAAGCAGAAGCCTTAAAGAACCCTT
GGAGTAGGCCAGAGTTAAAGAACGATGTTTTACATAATTTTTGGAAGCGCTACCTTCAG
AAGAGCAAGCAGGCATATTGTAAGAACCAGTTTATACCACTGGAAGGAAACCTACGGTA
TTAGAAGATAATCTAAGTCAATCAGACTGGGCTAGTGAGCCTGAGCTGCTAAGTGTGTC
AGCTGCTCCTTTTTCTGAAAGTGGAGCGGAGTCTCAGTCTGACATCCACACTCGAAAA
CCTTTCCCGTCAGCAAAGCATCACAATCAGAAACGCTGTGCTGCTCTGGATCTCTGGAT
GGAGTTGAATACTCACAACGAAAGGAGAAGGGAATCGTGAAGATGACCATGCCACAGACA
CTTGCCTTCTGTTATCTGCTTACTTTGGCAGAGAGAAGCATACACTTTCAGATCTTTT
GAGGTTTNTGAAGAGACCATATTCCTTACAGTAAATGCTTTCAGCATNTCCAGACAGAT
GAATATAATTGACGTGACAGAGAATCTTGGNTTANAGTCTTGCCTGACTCGAGGACTCTA
TAAACCATAGAGTGGACATTNTAATTTGCTCGTTTCGACTACTGAGACGTTCTCATCACT
AC
    
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Restriction Sites: NotI-NotI

ACCN:	NM_005680
Insert Size:	4230 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_005680.1 , NP_005671.1
RefSeq Size:	2304 bp
RefSeq ORF:	1767 bp
Locus ID:	9014
UniProt ID:	Q53T94
Cytogenetics:	2p25.1
Protein Families:	Transcription Factors
Gene Summary:	Initiation of transcription by RNA polymerase I requires the formation of a complex composed of the TATA-binding protein (TBP) and three TBP-associated factors (TAFs) specific for RNA polymerase I. This complex, known as SL1, binds to the core promoter of ribosomal RNA genes to position the polymerase properly and acts as a channel for regulatory signals. This gene encodes one of the SL1-specific TAFs. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a).