

Product datasheet for **SC110016**

TAF1C (NM_139353) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF1C (NM_139353) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAF1C
Synonyms:	MGC:39976; SL1; TAFI95; TAFI110
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_139353, the custom clone sequence may differ by one or more nucleotides

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ATGCTGCCTCCCCTCATCGATCCCTGGGACCCTGGCCTGACTGCCCGGGACCTGCTTTTCCGCGGAGGGT
ACCGGTATCGGAAGCGGCCCCGAGTCGTGCTGGATGTGACTGAGCAGATCAGCCGGTTCTCTTGGATCA
TGGAGACGTAGCCTTTGCGCCCCCTGGGAAGCTGATGCTGGAGAATTTCAAGCTGGAGGGAGCGGGGAGC
CGCACTAAGAAGAAGACAGTGGTCAGTGTGAAGAAGCTGCTCCAGGACCTCGGTGGACACCAGCCCTGGG
GGTGTCCCTGGGCTTACCTCAGCAACCGACAGCGCCGCTTCTCTATCCTCGGGGGCCCCATCCTGGGCAC
GTGCGTGGCGAGCCACTTGGCAGAGCTGCTGCACGAGGAGCTGGTGTGCGGTGGGAGCAGCTGCTCTG
GATGAGGCCTGCACTGGGGGCGCGCTGGCTGGGTTCTGGAAGGACACCCAGTTCCGGGACGTGGTCT
ACCCTGCTGGAGGCGCCAGGACAGGCTGCATTTCCAAGAGGTCGTTCTGACCCAGGTGACAATCCCCA
ATTCTTTGGAAACCTGGACGCATCCAGCTCCAGGGACCTGTCCGGCAAGTGGTGACATGCACCGTCCAG
GGAGAAACTCTGCTGGCGTCCGCTCTGACTACCACTGTGCCGTGTGGAAGTTTGGTAAACAGTGGCAGC
CAACCTTCTGCAGGCAATGCAGGTGGAGAAAGGGGCCACGGGGATCAGCCTCAGCCCTCACCTGCCCGG
GGAGCTGGCCATCTGCAGCCGCTCGGGAGCCGTCTGCCTGTGGAGCCCTGAGGATGGGCTGCGGCAATC
TACAGGGACCCTGAGACCCTCGTGTTCCGGGACTCCTCTTCGTGGCGTTGGGCGAGCTTCACTGCGCACC
CTCGGGTGCTGACCGTGGGTGACCGCACCGGAGTGAAGATGCTGGACACTCAGGGCCCGCCGGGCTGTGG
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GCACCCACCTTACCCACCGCCAGATGCTGGGCAGCACAGAGCTGCGGAGGGAGGAAGAGGAAGGGCAGC
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TGCGGCAGAGCCACCCCTGCACCCGAGTCAGGCCTAGAGGACAAGCTCAGTGAGCGCCTGGGGGAAGCC
TGGGCAGGCCGAGGGGCTGCCTGGTGGGAGAGGCAGCAGGGCAGGACCTCGGAGCCCGGGAGACAGACCA
GGCGGCCCAAGCGCCGACCCAGCTGTCCAGCAGCTTTTCGCTCAGTGGCCATGTGGATCCCTCAGAGGA
CACCAGTCCCCTCATAGCCCTGAGTGGCCACCTGCTGATGCTCTGCCCTGCCCCACGACCCCGCCC
TCCCAGGAGTTGACTCCGGATGCATGCGCCAGGGCGTCCCATCAGAGCAGCGGCAGATGCTCCGTGACT
ACATGGCCAAGCTACACCCAGAGGGACACCCAGGCTGTGCCACCACACCTCCCACTCCCAGGCCTC
CAGCGTCCGGGCCACTCGCTCCCAGCAGCACACCCGTCCTCTAGCTCTCAGCCCTCCGGAAGAAG
CCTCGAATGGGCTTCTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_139353 unedited
 TTATACCCCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGACGGTGGGAGGTCTATATAA
 GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCG
 CGAATTCGGCAGCAGGGGCCAAAGCTGGGGTTCTACTTGAGATTTCCCTCGTGGTGCCAGG
 GTCCGGCAGCATCACGCCGAGGCCCATTTCCAGACGACCACGACGAGGCCGGGTGAC
 CTGGCGAGACGCACTGACTCTGCCAGAGGCCAGCCCCAGAACTCAGAGAATGGGCACT
 GCATGTGACCAAGGACCTGCTGTGGGAGCCGGCAACCCCTGGGCCTCTCCCATGCTGCC
 TCCCTCATCGATCCCTGGGACCTGGCTGACTGCCCGGACCTGCTTTCCGCGGAGG
 GTACCGGTATCGGAAGCGGCCCCGAGTCGTGCTGGATGTGACTGAGCAGATCAGCCGTT
 CCTCTTGATCATGGAGACGTAGCCTTTGCGCCCTGGGGAAGCTGATGCTGGAGAATTT
 CAAGCTGGAGGGAGCGGNGAGCCGCACTAAGAAGAAGACAGTGGTCAGTGAAGAAGCT
 GCTCCAGGACCTCGTGGACACAGCCCTGGGGTGTTCCTGGGCTTACCTCAGCAACC
 GACAGCGCGCTTCTCTATCCTCGGGGGCCCCATCCTGGGCACGTTGGTGGCAGCCAT
 TTGGCAGAACTGCTGCACGAAGAGCCTGTTGCTTGGCGGAAGCAGCTGCTTCTGGATG
 AAGGCCGCACTGGGGGCGCGCTGGCTTGGTTCCCTGGAAGAACCCCCCATTTGGGCAC
 TTGTGTTACCCTGTTGGGAGCGCAATCACCAGTCTTTTTTCATAACGCCTTTCTCAATC
 ATCCTATCTCCCTTCCCTCTTTN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_139353 unedited
 GAATTTACTATGTACCGCGCCGATTCTANGATCGAGTTTTTTTTTTTTTTTTTTGTAGC
 ATAAATGGTTTAATCATAATGTCTCCCTTAGGCATGATAAACATTTTAACACCCACGCG
 AGTCAGTGTATGATTGGCTAGCTCCTGTTTGTGTGAGTCACATGCAATTCCTTTCACCA
 GCCAACCTGAAAAAGACCTTTCTCTTACTATGTCAATTTTTTTTCCAGACAGACCCGGT
 CCCTGCGAAATCTCAAGTGAGCATTTTCCCCACAGGAAACAGAACTTCCACTGCAGCT
 AGAGAACTCCGAGGAAGAGGGACTTGATGCTTTAGACATCAAAATGAGAAGGGGAGGGA
 GGAAAGAAAGGGGGAGTCTGTGAGGCACAACAGAGAATCCCCAAACTGACATGACCG
 TGACCTCTGCTCAGAGGGCACTATCGACAGCCACAGGTGCCAGACCATGTCCCAAGG
 GAGAAGGAACATCAGCCATCATCTCTGATGAGCTCAATGTGAGGGAGTAGCTGTGGC
 GGGACGCTGTTGAGCCTAAACACGTGACCATTTCAATTATCTTTAGCTGCCAAGTGTT
 TTTAGTCCCTGAACTGGATCCAGGCATTTTCTGTAGGAAACATTTAACCCGGGGCAA
 GATTGACAAAAAACCCCAACAGAAAGTTGGCCACGGGCGGTGTGCCCCCTTTATTAG
 CACTTTTTCGGGGCGCTTTATTCCCCCTCCCCAAACGAAGAGCCCGCCCTTTTCGGG
 CCCCCTTTTCCCTTGGCACGGAAGGGTGGGAACCTAGGGCCCTCCCGCGGGCCCC
 CCACACCTGAAGGGCGAAGGGAATCCTCCCTTCCCCACAAGAATAAAATACTAGAAG
 CCCAGGCCCCCGGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_139353

Insert Size:

4000 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:	<u>NM_139353.1, NP_647610.1</u>
RefSeq Size:	3741 bp
RefSeq ORF:	2328 bp
Locus ID:	9013
UniProt ID:	<u>Q15572</u>
Cytogenetics:	16q24.1
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 the largest SL1-specific TAF. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2011] Transcript Variant: This variant (2) has alternate splice sites in three regions, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, lacks an internal segment and an internal amino acid 'G', compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.