

## Product datasheet for **SC322324**

### 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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for SC322324  
 CTCGCGTTCCGGCCGGAAGGCTTCTCCAGCCTTTCCCGGAAGCTGCGCTCGCTACCCGG  
 GTAACGGGTCCCGGCTGTGGAAGCTCCCGCGGCCCGGATGGACCTCGAGGAGTCGGAA  
 GAGTTTAAAGAACGCTGTACTCAGTGTGCTGTCTCATGGGGTCTTACTGATGAAGGC  
 AAATATTATTGCACCTTCTGCCACAATGTTACAGAGAGATATCAGGAAGTTACAAACACT  
 GATCTTATTCCTAATACCCAAATAAAAGCCCTCAACCGGGGCTTAAAAAAAAAAACAAT  
 ACTGAAAAAGGCTGGGATTGGTATGTGTGAAGGTTTCCAGTATATTCTTTATCAACAA  
 GCAGAAGCCTTAAAGAACCTTGGAGTAGGCCAGAGTTAAAGAACGATGTTTTACATAAT  
 TTTTGGAAAGCGCTACCTTCAGAAGCAAGCAGGCATATTGTAAGAACCAGTTTATACC  
 ACTGGAAGGAAACCTACGGTATTAGAAGATAATCTAAGTCATTACAGACTGGGCTAGTGAG  
 CCTGAGCTGCTAAGTGTGCTCAGCTGTCCTCTTTTCTTGAAAGTGGAGCGGAGTCTCAG  
 TCTGACATCCACACTCGAAAACCTTTCCCGTCAGCAAAGCATCACAAATCAGAAACGCT  
 GTCTGCTCTGGATCTCTGGATGGAGTTGAATACTCACAAAGGAGAAGGGAATCGTG  
 AAGATGACCATGCCACAGACACTTGCCTTCTGTTATCTGTCTTACTTTGGCAGAGAGAA  
 GCAATAACACTTTAGATCTTTTGAAGTTTGTGAAGAGGACCATATTCCTTACATAAAT  
 GCTTTTACGATTTTCCAGAACAGATGAAATTATATGGACGTGACAGAGGAATCTTTGGT  
 ATAGAGTCTTGGCCTGACTACGAGGACATCTATAAAAAACAATAGAAGTTGGAACATTT  
 TTAGATTTGCCTCGTTTTCCAGACATAACTGAAGACTGCTATCTTCATCCCAACATACTG  
 TGTATGAAATACTTGTGGAAGTCAACCTCCCTGATGAAATGCATAGCTTAACTTGCCAC  
 GTGGTAAAAATGACTGGAATGGGAGAAGTGGATTTTCTGACATTTGATCCTATAGCCAAA  
 ATGGCAAAAGCTGTTAAGTACGATGTACAAGCTGTAGCTATCATTGTGGTGGTATTGAAA  
 CTGCTCTTTCTATTGGATGACAGTTTCGAGTGGTCTTTGTCTAATCTTGCTGAAAAGCAT  
 AATGAAAAGAACAACAAAAAGATAAGCCATGGTTTGATTTTCCAGAAAGTGGTACCAAAATTATG  
 AAGAAAAGCTTTTGTAGAAAAAACAACAAAAATGGGAAGAAGCAAGGCAAGTACCTGTGG  
 AAAAGTAAAAGCCACTCTACTACTCATTGTGCGACAAACAGTAGCATATAAAAAAAGA  
 GAAATGGTGGTGAATCTACAGAAACAATTTAGCACACTGGTTCGATTCAACAGCAACTGCT  
 GGAAAAAAAGCCCTTCAAGTTTTAGTTCAACTGGACTGAAGAGGACACTGATAGAACG  
 TGTTCATGGACACAGCCTTCAGGGAGTCTGAAAGAGAAAGGCAATCACTGCTGACT  
 AAGAATTCATTATATTGGCTTAGTACACAGAAATCTGCAGATGCTATTGTACACATGTG  
 ACAACCTATGAAGAATCAAATTATCTCTGAGTTATCAGTTTATACTAAATCTCTTCTCC  
 TTCTGCTCAGAAATAAGACTTCCCTTCCATGAAGAAGTGAAGTATTGTTGAGAAGAAA  
 CTTTTTGAAGAAAAATACAGTGTAAAAAGAAAGAAATCAAGATCCAAGAAAGTGAACGA  
 CATTGAGAAAAATGAAATGAAAACCTTTCTGAAAAATATTTAATAGTGATAATAACATCA  
 GATTTTAAATAACATTCAGAGAAATTGTGAAAAACTGCATATATATGTATAGACTCT  
 GACACATATTTACATATATCAAGTGTGCTTAGAAAAATGTATATTGTAAGCAGGTGA  
 GCTTCATTTGATTTTATTTTTCAGAGTATGAACATTCTAAGAGAAAGTTAAAACAATAGC  
 AAATTGTATAATTGTATCCAGAAATGTATACTCATCATATTTTAAAGCTAAATTTATTTT  
 TAAACTAGATCCCTTCATTATTTCTTTATGCCCCAGAGTAAATCCAGATGGATCAAAGA  
 TCTAAACATAATCTTTCATATGTAAAAATATAAAAGATTAGTAGAAAAACAATATGAAT  
 GCTTTGATGAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_005680

**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).

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_005680.1</a> , <a href="#">NP_005671.1</a>
<b>RefSeq Size:</b>	2304 bp
<b>RefSeq ORF:</b>	1767 bp
<b>Locus ID:</b>	9014
<b>UniProt ID:</b>	<a href="#">Q53T94</a>
<b>Cytogenetics:</b>	2p25.1
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	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).