

Product datasheet for **SC115011**

TAF5L (NM_014409) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF5L (NM_014409) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAF5L
Synonyms:	PAF65B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115011 sequence for NM_014409 edited (data generated by NextGen Sequencing)

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ATGAAACGAGTGCCTACCGAGCAGATTCAGATGGCAGTGTCTGCTACCTCAAACGCCGG
CAGTACGTGGACTCAGATGGTCCCCTGAAGCAAGGACTGCGGCTGTCACAGACTGCTGAA
GAGATGGCGGCAATCTAACAGTGAATCAGAATCTGGTTGTGCCAACATAGTGTCTGCA
GCCCTTGCCAGGCAGAACCCAGCAATATGAAGTACAGTTTGGACGACTGCGGAATTTT
CTCACTGATTCTGATCCCAGCATAGCCACGAAGTATGCCTCTCCTCTATCCTCTCTTT
GTCTACCTCCATCTCAACCTGGTCCAAAACAGTCCGAAGAGCACAGTGGAAAGTTTTTAC
AGCCGCTTCCATGGAATGTTTCTGCAGAATGCTAGCCAGAAGGATGTCATTGAGCAGCTA
CAGACCACTCAAACCATCCAGGACATCCTATCTAACTTCAAGCTTCGAGCATTCTAGAT
AACAAAGTACGTGGTCCGTCTCCAAGAAGACAGCTACAACCTACCTTATCCGCTACCTCAA
AGTGACAACAATACTGCCCTGTGCAAAGTCTCACCTTACATATTCATCTTGACGTGCAG
CCTGCCAAGAGAACAGACTATCAGCTGTATGCCAGTGGCAGCTCCTCCCGCAGTGAGAAC
AACGGTTTGGAGCCCCCTGACATGCCAGCCCTATTCTGCAGAACGAGGCTGCCCTAGAG
GTCTTACAGGAGAGCATTAAAGCGCGTCAAGGATGGGCCTCCCTCCCTCACTACCATCTGC
TTCTATGCCTTCTATAACACAGAGCAGCTGTTGAACACTGCAGAAATCTCCCCGATAGC
AAGCTGCTTGCTGCTGGGTTTGACAACCTCCTGTATAAACTTTGGAGTTTACGATCCAAG
AAGTAAAATCAGAGCCCCACCAAGTAGACGTGTCCCGCATCCATTTGGCTTGTGATATT
CTGGAGGAGGAGGATGATGAGGATGATAATGCAGGCACGGAGATGAAGATACTGCGGGGC
CACTGCGGACCAGTGTACAGCAGGAGTTCTCGCGGACAGCTCAGGGTTGCTCTCTTGT
TCTGAAGACATGCCATCAGATACTGGGATCTGGGGAGTTTCCCAACACTGTGTGTAC
CAAGGACATGCCTATCCTGTGTGGATCTGGACATCAGTCCATATAGCCTGTACTTCGCC
AGCGGGTCCCACGACCCGACCCGACGGCTGTGGTCAATTTGATCGGACGTACCCCGTGAGG
ATATATGCAGGACACCTGGCAGATGTGGACTGTGTCAAATTCACCCCTAATTCAAACTAC
TTGGCCACGGGCTCAACCGACAAGACCGTCCGGCTGTGGAGCGCTCAGCAGGGAACTCG
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AAGTACTTGCGTCTGCTGGCGAGGACCAGCGTTGAAGCTGTGGGACTTGGCCTCTGGG
ACCCTTTATAAGAGTTGAGAGGCCACACAGACAATATCACCAGCCTCACCTTCAGTCCA
GACAGCGGCTTGATTGCCTCTGCCTCCATGGACAACCTCGGTGCGCGTCTGGGACATCAGG
AACACTTACTGCAGTGCACCTGCCGACGGCTCCTCCAGCGAGCTCGTGGGCGTGTACACC
GGGCAGATGAGCAACGTCTGAGCGTGCAGTTCATGGCCTGTAACTTCTCTGTTGACT
GGAATTACACAAGAAAATCAGGAACATTAA
    
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Clone variation with respect to NM_014409.3
678 c=>t;744 a=>c

5' Read Nucleotide Sequence: >OriGene 5' read for NM_014409 unedited

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GCCCGAATTCGGCACCAGGCCGCCAGAGCGGCGGGGCGGCGGGGCGCGGGGCGC
GGGGGCCAGCTGAGCCGGCCGTGCGAGTGAGACCCTGCGGCAGAGACGACGGAGCGGA
AGCAACCCGATCCCGGAGGCGGCGGCGGGGAGCCGGAGCCGCCTGGGATGTTTCA
TCATGAAACGAGTGCCTACCGAGCAGATTCAGATGGCAGTGTCTGCTACCTCAAACGCC
GGCAGTACGTGGACTCAGATGGTCCCCTGAAGCAAGGACTGCGGCTGTCACAGACTGCTG
AAGAGATGGCGGCAATCTAACAGTGAATCAGAATCTGGTTGTGCCAACATAGTGTCTG
CAGCCCCTTGCCAGGCAGAACCCAGCAATATGAAGTACAGTTTGGACGACTGCGGAATT
TTCTCACTGATTCTGATCCCAGCATAGCCACGAAGTATGCCTCTCCTCTATCCTCTCT
TTGTCTACCTCCATCTCAACCTGGTCCAAAACAGTCCGAAGAGCACAGTGGAAAGTTTTT
ACAGCCGCTTTCATGGAATGTTTCTGCAGAATGCTAGCCAGAAGGATGTCATTGAGCAGC
TACAGACCACTTCAAACATTAGGACATNCTATCTAACTTTCAGCTTCGAGCATTCTAG
ANTACAAGTACGTGGTCCGTCTTCAAGAAGACAGCTACAACCTTATCCGGTTCCTT
CAAGTGACACAATACTGGCCTGGCAAAG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014409 unedited CTTGTACGCGCCGCATCTATGATCGGTTTTTTTTTTTTTTTTTTTTTTTGGAACTAAATA CATTTTAAATAGAAAACAAAATACAAAATAACTCTTTTCAGAAAACAGAAATATTTAATCC TTTTTCCACAAATTAGAAGTTGCTTTATCCTCAGAGCATAGTTTGATATGCGTGCGTACA TACTTACGATTTGTTTACAAAAGTGTTCATTAAGTGGTATTGCAGTGCAGGACGTGGGA GCAGTTCATTGCAGGAGAAAAAGACGTGGAAAAAGCCACACCTCTGAATGGTCATTTCAGA AATTCAACATTTTTCTAATTCTATCTTGGTACTTATTACTCCAAATTATCTTTATCATA ATCTTTCTTTTGAGGGGAGAGAATTATTAAGAGAATTGCAGCTTTGGAAAGAATTTTTCT TTCCACCATCACTGCAGGAGCCCAAAGTGGTCTCAATGAAACCCACCCCCCACTTCCA GAAACATGTCAGCCAGGGGGATCAATTTGTACCCGAAATTTCCCTTCTCCAATACCTGG GGTACCAATCTCTGAATCCCCGACCCCACTCCAGGCCAACCCCGCCCTGAGCTC AGCCTGTAGATTTTTGTAGCGAAAGCGGCCTGGCCGCGGCTCTGGTCCCCTGCCCTCC CTGGCACCTTCTTTTTATTCTCAGTTATGATCGGTTCTCCGCGCCCTGTACCCGGAT AGGAAGTCTCTTAGGTTGTGGGATGTGTCTTTGTGCGCCGGTGGTCGAGTTTTGTG AGATGCTTGTTCNATATCTCTAGTATGTTACTGACTGACTCTTAGCGATTCCGACGCCCC CTCTTGTAGCACCTTTTTGGCGGCCCGCGTGGTTTGTGGCTCTGGCCGCCTATTCT CTCGCCCGCTCTCTATTGCGCTTTCTCGT
Restriction Sites:	NotI-NotI
ACCN:	NM_014409
Insert Size:	3330 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_014409.3 , NP_055224.1
RefSeq Size:	3122 bp
RefSeq ORF:	1770 bp
Locus ID:	27097
UniProt ID:	O75529
Cytogenetics:	1q42.13
Domains:	WD40, TFIID_WDA
Protein Families:	Transcription Factors

Protein Pathways: Basal transcription factors

Gene Summary: The product of this gene belongs to the WD-repeat TAF5 family of proteins. This gene encodes a protein that is a component of the PCAF histone acetylase complex. The PCAF histone acetylase complex, which is composed of more than 20 polypeptides some of which are TAFs, is required for myogenic transcription and differentiation. TAFs may participate in basal transcription, serve as coactivators, function in promoter recognition or modify general transcription factors to facilitate complex assembly and transcription initiation. The encoded protein is structurally similar to one of the histone-like TAFs, TAF5. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the shorter transcript, but encodes the longer isoform (a).