

Product datasheet for SC118117

TAF2 (NM_003184) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF2 (NM_003184) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAF2
Synonyms:	CIF150; MRT40; TAF2B; TAFII150
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118117 sequence for NM_003184 edited (data generated by NextGen Sequencing)

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ATGCCCGTACTGGTGTAGAGCCCGCCAGAATGAACAGGAAGAAAGGAGACAAGGCCTT
GAAAGCCCAAGGCCATATAAATTAACCCATCAGGTCGCTGCATCAACAACATAAATTC
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Clone variation with respect to NM_003184.3

2319 a=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003184 unedited
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 CCTGGGACCCGGCCAGCTGCGAGACGTGACTTGGGACCCGAGGGGAGTGAGAGTGTGA
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 TTCTCTGTGGCATTCAAATTTTACAGATTTGGTTCCCTTGGGGGAATCATACTCTGC
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003184 unedited
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 AGATATAAAAAATATTCTTAAACAAATATTAAGCACATGGTAAAATTCAGAAATAAAAA
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 AGCCAAATTTGCTATTTCCAGGTTAATAAACAATATAAGCTCACCTTTTTAAAGGTAT
 CATACTTTGTGTCATATAGAAAATATTTTGGAAACAGTATGTGTTGGGTGTGAAATTTG
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 TGGAAACCATGAGCTACCGGACTGCCAATGGAATGAGGGCTTTATGAA

Restriction Sites:

NotI-NotI

ACCN:

NM_003184

Insert Size:

10120 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: [NM_003184.2](#), [NP_003175.1](#)

RefSeq Size: 5019 bp

RefSeq ORF: 3600 bp

Locus ID: 6873

UniProt ID: [Q6P1X5](#)

Cytogenetics: 8q24.12

Domains: Peptidase_M1

Protein Families: Protease, Transcription Factors

Protein Pathways: Basal transcription factors

Gene Summary: 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 larger subunits of TFIID that is stably associated with the TFIID complex. It contributes to interactions at and downstream of the transcription initiation site, interactions that help determine transcription complex response to activators. [provided by RefSeq, Jul 2008]