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Product datasheet for SC127231

TAF9 (NM_003187) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF9 (NM_003187) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAF9
Synonyms:	MGC:5067; STAF31/32; TAF2G; TAFII-31; TAFII-32; TAFII31; TAFII32; TAFIID32
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003187, the custom clone sequence may differ by one or more nucleotides

ATGGAGTCTGGCAAGACGGCTTCTCCCAAGAGCATGCCGAAAGATGCACAGATGATGGCACAAATCCTGA
AGGATATGGGGATTACAGAATATGAGCCAAGAGTTATAAATCAGATGTTGGAGTTTGCCTTCCGATATGT
GACCACAATTCTAGATGATGCAAAAATTTATTCAAGCCATGCTAAGAAAGCTACTGTTGATGCAGATGAT
GTGCGATTGGCAATCCAGTGCCGCGCTGATCAGTCTTTTACCTCTCCTCCCCCAAGAGATTTTTTATTAG
ATATTGCAAGGCAAAGAAATCAAACCCCTTTGCCATTGATCAAGCCATATTCAGGTCCTAGGTTGCCACC
TGATAGATACTGCTTAACAGCTCCAAACTATAGGCTGAAATCTTTACAGAAAAAGGCATCAACTTCTGCG
GGAAGAATAACAGTCCCGCGGTTAAGTGTTGGTTCAGTTACTAGCAGACCAAGTACTCCCACACTAGGCA
CACCAACCCCACAGACCATGTCTGTTTCAACTAAAGTAGGGACTCCCATGTCCCTCACAGGTCAAAGGTT
TACAGTACAGATGCCTACTTCTCAGTCTCCAGCTGTAAAAGCTTCAATTCCTGCAACCTCAGCAGTTCAG
AATGTTCTGATTAATCCATCATTAATCGGGTCCAAAAACATTCTTATTACCACTAATATGATGTCATCAC
AAAATACTGCCAATGAATCATCAAATGCATTGAAAAGAAAACGTGAAGATGATGATGATGACGATGATGA
TGATGATGACTATGATAATCTGTAA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003187 unedited
NCCCCNNNNNANANNCAAAANNGNNCGGTACACATTTGTATACGACTCATATAGGCGGCC
GCGNAATTCGCACGAGGCGCCCNGAACCGTCGCGGCGGGGACCATGTTGCTTCCGAACAT
CCTGCTCACCGGTACACCAGGGNNGTTGGAAAAACCACACTAGGCAAAGAACTTGCGTCA
AAATCAGGACTGAAATACATTAATGTGGGTGATTTAGCTCGAGAAGTCTGATCATCGGAT
ATCATGGAGTCTGGCAAGACGGCTTCTCCCAAGAGCATGCCGAAAGATGCACAGATGATG
GCACAAATCCTGAAGGATATGGGGATTACAGAATATGAGCCAAGAGTTATAAATCAGATG
TTGGAGTTTGCCTTCCGATATGTGACCACAATTCTAGATGATGCAAAAATTTATTCAAGC
CATGCTAAGAAAGCTACTGTTGATGCAGATGATGTGCGATTGGCAATCCAGTGCCGCGCT
GATCAGTCTTTTACCTCTCCTCCCCCAAGAGATTNTTTATTAGATATTGCAAGGCAAAGA
AATCAAACCCCTTTGCCATTGATCAAGCCATATTCAGGTCCTAGGTTGCCACCTGATAGA
TACTGCTTAACAGCTCCAAACTATANGCTGAAATCTTTACAGAAAAAGGCATCAACTTCT
GCGGNAAAGAATACAGTCCCGCGGTTAAGTGTTGGTTCAGTTACTAGCAGACCAAGTACT
CCCACACTAGGCACACCAACCCCACAGACCATGTCTGTTTCAACTAAAGTAGGGACTNCC
ATGTCCCCTCACAGGTCAAAAGTTTTACAGTACAGATGCCTACTTCTCAGTCTCCAGCTT
GTAAAGCTTCAATTCCTGCAACCTCAACAGTTCAAAATGGTCTGATTATTCCTCATTATT
CGGTTCAAAAACATCCTATTACCACTAATTGATGTCCTCCAAAATACTGGCATGATCATC
AATGCTTGAAAAAAAACTGGANAGATGATATGCACAGATGAGATGAGCCTTTGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003187 unedited
GTACACTATGNACCGCGCCGCAATCTATGATCGGTTTTTTTTTTTTTTTTTGAATGAAT
GACAACTTTATTTTTCTTACACTTTTAAGGCTGATGAAAAACCTTCATTTCAATTGAAAA
GTATGGTAACTGTGTTTACTCATTATTATTAGTTTTCTAAAACACAACTTGAAAACATCC
AGCATGCATGTTTAATATCAGTACAATGAATTCAAGACCAAGTATACATGTTACATTCAG
CAAGGCTAGATTACAGATTATCATAGTCATCATCATCATCATCGTCATCATCATCATCTT
CACGTTTTCTTTTCAATGCATTTGATGATTCATTGGCAGTATTTTGTGATGACATCATAT
TAGTGGTAATAAGAATGTTTTTGGACCCGATTAATGATGGATTAATCAGAACATTCTGAA
CTGCTGANGTTGCANGAATTGAAGCTTTTACAGCTGGAGACTGAGAAGTAGGCATCTGTA
CTGTAAACCTTTGACCTGTGAGGGACATGGGAGTCCCTACTTTAGTTGAAACAGACATGG
TCTGTGGAGTTGGTGTGCCTAGTGTGGGAGTACTTGGTCTGCTAGTAACTGAACCAACAC
TTAACCGCGGNACTGTTTATTCTTCCCGCANAAGTTGATGCCTTTTTCTGTTAAGATTTC
AGCCTATAGTTGGGAGCTGTTAAGCAGTATCTATCAGGTGGCACCCTANNGACCTGAATA
TGGCCTTGATCAAATGGCAAAGGGGTTTTGATTTCTTTGCCTTTGCATATCTAATAAAAA
AATCCTCTTGGGGGAGGAAAGTTAAAAGACTGATCAGCGCGGCACTGGTATGCCAATCGG
ACATCATCTGCATCACAGAAGCTTTTTTAGCATGACTTGGAAAAAATTTTGCCT

Restriction Sites: NotI-NotI

ACCN: NM_003187

Insert Size: 1250 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_003187.4, NP_003178.1
RefSeq Size:	1245 bp
RefSeq ORF:	795 bp
Locus ID:	6880
UniProt ID:	Q16594
Cytogenetics:	5q13.2
Domains:	TFIID-31
Protein Families:	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 smaller subunits of TFIID that binds to the basal transcription factor GTF2B as well as to several transcriptional activators such as p53 and VP16. In human, TAF9 and AK6 (GeneID: 102157402) are two distinct genes that share 5' exons. A similar but distinct gene (TAF9L) has been found on the X chromosome and a pseudogene has been identified on chromosome 19. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013] Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 4. Both variants 4 and 1 encode the same protein.