

## Product datasheet for SC317466

### TAF8 (NM\_138572) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAF8 (NM_138572) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAF8
Synonyms:	II; TAF; TAF(II)43; TAFII-43; TAFII43; TBN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317466 representing NM_138572. Blue=Insert sequence Red=Cloning site Green=Tag(s)

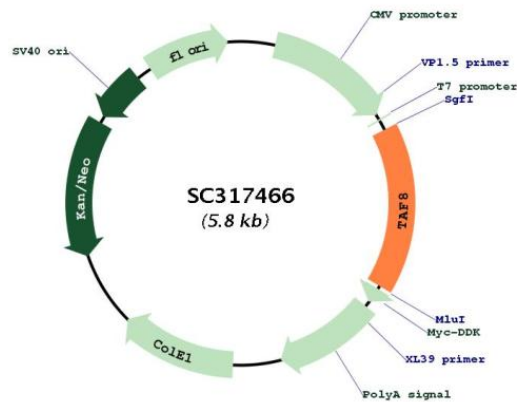
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCGACGCGGCGGCCACAGCTGGGGCCGGTGGCTCCGGAACGAGATCGGGAAGTAAACAGTCCACT
AACCTGCCGATAACTATCATCTGGCCCGGAGGAGAACCCTGCAGGTGGTTGTGAGCTCCTTGCTGACA
GAGGCAGGGTTTGGAGAGTCCGAGAAAGCATCCGTGAAACGCTGACAGAGATGCTGCAGAGCTACATT
TCAGAAATTGGGAGAAGTGCCAAGTCTTACTGTGAGCACACAGCCAGGACCCAGCCACACTGTCCGAT
ATCGTGGTCACACTTGTGAGATGGGTTTCAATGTGGACTCTCCCTGCTTATGCAAAACGGTCTCAG
AGGATGGTCATCACTGCTCCTCCGGTGACCAATCAGCCAGTGACCCCAAGGCCCTCACTGCAGGGCAG
AACCGACCCACCCGCCGACATCCCCAGCCATTTTCTGAGTTCCCTGATCCCCACACCTACATCAA
ACTCCGACGTACCGTGAGCCCGTGTGAGACTACCAGGTCCTGCGGGAGAAGGCTGCATCCCAGAGGCGC
GATGTGGAGCGGGCACTTACCCGTTTCATGGCCAAGACAGGCGGAGACTCAGAGTCTTTCAAAGATGAC
GTCAGCACATTTCCATTGATTGCTGCCAGACCTTCCACATCCCCACCTGACAGCTCTTCTCCGCTCT
GAACTGGAGATGCAACAAATGGAAGAGACAGATTCTCGGAGCAGGATGAACAGACAGACACAGAGAAC
CTTGCTCTTCATATCAGCATGGAGGATTCTGGAGCCGAGAAGGAGAACACCTCTGTCTGCAGCAGAAC
CCCTCCTTGTCCGGTAGCCGGAATGGGGAGGAGAACATCATCGATAAACCCTTATCTGCGGCCGGTGAAG
AAGCCCAAGATCCGCAGGAAGAAGTCCCTCTCC TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCCGGC
```

Restriction Sites: SgfI-MluI



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## Plasmid Map:



ACCN: NM\_138572

Insert Size: 933 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).

**OTI Annotation:** 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.

**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\\_138572.2](#)

RefSeq Size: 4323 bp

RefSeq ORF: 933 bp

Locus ID: 129685

UniProt ID: [Q7Z7C8](#)

Cytogenetics: 6p21.1

MW: 34.3 kDa

**Gene Summary:** This gene encodes one of several TATA-binding protein (TBP)-associated factors (TAFs), which are integral subunits of the general transcription factor complex TFIID. TFIID recognizes the core promoter of many genes and nucleates the assembly of a transcription preinitiation complex containing RNA polymerase II and other initiation factors. The protein encoded by this gene contains an H4-like histone fold domain, and interacts with several subunits of TFIID including TBP and the histone-fold protein TAF10. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]