

## Product datasheet for **SC214319**

### **TAF4 (NM\_003185) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	TAF4 (NM_003185) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TAF4
Synonyms:	TAF(II)130; TAF(II)135; TAF2C; TAF2C1; TAF4A; TAFII-130; TAFII-135; TAFII130; TAFII135
ACCN:	NM_003185
Insert Size:	1400 bp



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**Insert Sequence:** >SC214319 3'UTR clone of NM\_003185  
 The sequence shown below is from the reference sequence of NM\_003185. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGCTGCTCTACAAAGCATTCTTAAGTGACACAGGAGGAGCGCCTGGGGACTTTTTATATTTGCAGA
TTACGCCCTTTTTGTAACGAGCAAATGGGATATTGTTTAAAAAACAGCCACCTCTTTACAATGGAACAGT
TTTATATTCTGTTTCTAAATCAGCTCTTCAGTGTGAAAGAAAACACGTTTCTGTAACAGAGAGAACAC
AAAGGCCGTGGATACTCTAAAGGACAATTAATCTTAACTCATCTTGATTGAGTGGCCTTCTGCCA
AACAGCCATATATAAGACTGATGGAATCGTTAGCAAATAATTAGCTGCCCTCTGTCAACTCATAGCA
GTTTCTGCATTATTTGTGCAATTTGGTTTAGTTCTACCTAACTACTATGTAGGTGTATGTCTACAGCC
GATGACCTCATTTGTTTTATTTTTGTAATAGTCAGTTGGCAAAGCAAAGTATTTTTAGACTA
TTTATCTTCCCTTCCCTCCACCCCGCTCTCCTCTGCCCCCTGCCCTCCCTCCCTCCCT
CCCTCCACTCCGCTGAGAATCCTGGAGGAATACACAATTCATCGTTGCACCCCACTCAGAGTGTAA
TCGCATTTCTGCTTGGTAGAGGCCGAGCCAGCAAAGGTGGCTCCTTCTGAATGTGTGGTCAAGTCTG
TACAAATGCATTTTATTTGCTATAGTTTGTAAAGCTGTAAAGTAAAAAGAGATGAAAACCTTTTCAGCA
TAAATATATTTTACTTGCAGTGTGTTTTAGCTAAAAGTGAAAACCTAGATTAATAAAATCAAAGTT
GAGAAGAATCATCAAAGACTGTTTCTCGGTGTGAATCAAGTGTGAAAATGGTTGGTGTATTTTGTG
AGTAATTGTACATAACTTTTGGCACATGACATAGAAATGGCTATGTAACTATAATTATTTTGTAAAG
GACTGTATGCAAGCCTTGGGCCGACTTTACAGACGTCCAGAGCAAAGCCCCTTCTTTGTACCTATTTTT
TTATTACAAATATACTAATTGGTTCTTTCTATTTTTCAGAGGTTATTGTATGAAATTGTCTATTGATAGT
ACTTTTATGACTGTAAATACTCTGGCTTTCTCCGTGTGAATTCTCACATTAGACTTTAATTCGAGCGCG
TGTGAACTGAACGCTGATCAGTATTTTTATCAACACCTGAGAAGTGTACACCTTTTATTTTGTCTTT
TAGGAAATCCCTGTCTTTCCATTTTTCATGTAATTTTGCACAGTACTTGTTCATATGTAATATTT
TACTTTTCAGAAATGAAGTTTTTAATTGCTATTGTTTTATATAGGATTGAAAGAAAATTAACCTCTTAT
TAAAAACAAATTTATCTGTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
  
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**Restriction Sites:** Sgfl-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_003185.4](#)

**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 has been shown to potentiate transcriptional activation by retinoic acid, thyroid hormone and vitamin D3 receptors. In addition, this subunit interacts with the transcription factor CREB, which has a glutamine-rich activation domain, and binds to other proteins containing glutamine-rich regions. Aberrant binding to this subunit by proteins with expanded polyglutamine regions has been suggested as one of the pathogenetic mechanisms underlying a group of neurodegenerative disorders referred to as polyglutamine diseases. [provided by RefSeq, Jul 2008]

**Locus ID:**

6874

**MW:**

53.9