

## Product datasheet for **RC201951**

### **TAF6 (NM\_139315) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TAF6 (NM_139315) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TAF6
Synonyms:	ALYUS; MGC:8964; TAF(II)70; TAF(II)80; TAF2E; TAFII-70; TAFII-80; TAFII70; TAFII80; TAFII85
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RC201951 representing NM\_139315  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTGAGGAGAAGAAGCTGAAGCTTAGCAACTGTGCTGCCCTCGGAGTCCATGAAGTGGTGGCTG  
AATCCATGGGCATCGCCAGATTCAGGAGGAGACCTGCCAGCTGCTAACGGATGAGGTGAGTACCGCAT  
CAAAGAGATCGCACAGGATGCCTTGAAGTTCATGCACATGGGGAAGCGGAGAGCTCACCACCAGTGAC  
ATTGACTACGCCTGAAGCTAAAGAATGTCGAGCCACTCTATGGCTTCCACGCCAGGAGTTCATTCCTT  
TCCGCTTCGCCTCTGGTGGGGCCGGGAGCTTTACTTCTATGAGGAGAAGGAGGTTGATCTGAGCGACAT  
CATCAATACCCCTCTGCCCGGGTGGCCCTGGACGTCTGCCTCAAAGCTATTGGCTGAGCATCGAGGGC  
TGCCAGCCAGCTATCCCCGAGAACCAGCCAGCTCCCAAAGAGCAACAGAAGGCTGAAGCCACAGAAC  
CCCTGAAGTCAGCAAGCCAGGCCAGGAGAAGACGGACCCTGAAGGGCAAAGGTCAAGGGGCCACCAC  
AGCCGACGGCAAAGGGAAAGAGAAGAAGCGCCGCTTGTGGAGGGGGCCCCCTTGGACTGAAGCCC  
CGGAGCATCCACGAGTTGTCTGTGGAGCAGCAGCTCTACTACAAGGAGATCACCGAGGCCTGCGTGGGCT  
CCTGCGAGGCCAAGAGGGCGGAAGCCCTGCAAAGCATTGCCACGGACCCTGGACTGTATCAGATGCTGCC  
ACGGTTCAGTACCTTTATCTCGGAGGGGTCGGTGTGAACGTGGTTCAGAAACACCTGGCCCTACTCATC  
TACCTGATGCGTATGGTAAAGCGCTGATGGACAACCCACGCTCTATCTAGAAAAATACGTCCATGAGC  
TGATCCAGCTGTGATGACCTGCATCGTGAAGCAGAGTGTGCCTGCGACCAGATGTGGACAATCACTG  
GGCACTCCGAGACTTTGCTGCCCGCTGGTGGCCAGATCTGCAAGCATTTTAGCACAACCACTAACAAAC  
ATCCAGTCCCGGATCACCAAGACCTTACCAAGAGCTGGTGGACGAGAAGACGCCCTGGACGACTCGTT  
ATGGCTCCATCGCAGGCTTGGCTGAGCTGGGACACGATGTTATCAAGACTCTGATTCTGCCCGGCTGCA  
GCAGGAAGGGGAGCGGATCCGCAGTGTGCTGGACGGCCCTGTGCTGAGCAACATTGACCGGATTGGAGCA  
GACCATGTGCAGAGCCTCCTGCTGAAACTGTGCTCCTGTTCTGGCAAAGCTGCGCCACCGCCTGACA  
ATCAGGACGCCTATCGGGCAGAATTGGGTCCTTGGGCCCTCCTCTGCTCCCAGGTGGTCAAGGCTCG  
GGCCAGGCTGCTCTGCAGGCTCAGCAGGTCAACAGGACCCTGACCATCACGAGCCCCGGCCACG  
CTGACCCTCTCGCAGGCCCCACAGCCTGGCCCTCGCACCCTGGCTTGTGAAGTTCCTGGCTCCATCG  
CACTTCTGTCCAGACTGGTGTCTGCACGAGCGGCTGCCCCACCACAGCCTTCCCTCCTCAACCAA  
GTTTATTGTAATGTCATCGTCTCCAGCGCCCCATCCACCAGCAGGTCTGTCCCTCAGCACCTCGGCC  
CCCGGCTCAGGTTCCACCACCACTTCGCCCGTACCACCACCGTCCCAGCGTGCAGCCATCGTCAAGT  
TGGTCTCCACCGCCACCACCGCACCCCCAGCACTGCTCCCTCTGGTCTGGGAGTGTCCAGAAGTACAT  
CGTGGTCTCACTTCCCCAACAGGGGAGGGCAAAGGAGGCCCCACCTCCCATCCTTCTCCAGTTCCTCCC  
CCGGCATCGTCCCGTCCCCACTCAGCGGAGTGCCTTTGTGGGGGGAAGCAGGAGGCTGGGGACAGTC  
CCCCTCCAGTCCAGGGACTCCAAAAGCCAATGGCTCCAGCCAACTCCGGTCCCCTCAGCCTGCTCC  
G

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC201951 representing NM\_139315  
 Red=Cloning site Green=Tags(s)

```

MAEEKKLLKLSNTVLPSESMKVVAESMGIAQIQEETCQLLTDEVSYRIKEIAQDALKFMHMGKRQKLTTS
IDYALKLNVEPLYGFHAQEFIPFRFASGGGREL YFYEEKEVDLSDIINTPLPRVPLDVCLKAHWSIEG
CQPAIPENPPPAPKEQQKAEATEPLKSAKPGQEEDGPKGKGQGATTADGKGEKKAPLLEGA PLRLKP
RSIHLSVEQQLYKYEITEACVGSCEAKRAEALQSIATDPGLYQMLPRFSTFI SEGVRVNVVQNNLALLI
YLMRMVKALMDNPTLYLEKYVHELIPAVMTCIVSRQLCLRPDVDNHWALRDFAA RLVAQICKHFSTTTN
IQSRITKTFTKSWDEKTPWTRYVGSIAGLAELGHDVIKTLILPRLQQEGERIRSVLDGVPVLSNIDRIGA
DHVQSLLLKHCAPVLAKLRPPDNQDAYRAEFGSLGPLLCSQVVKARAQAALQAQQVNR TLTITQPRPT
LTL SQAPQPGPRTPGLLKVPGSIALPVQTLVSARAAAPPQSPPTKFI VMSSSSSAPSTQQVLSLSTSA
PGSGSTTTSPVTTTVPVQPIVKLVSTATTAPPSTAPSGPGSVQKYIVVSLPPTGEGKGGPTSHSPVPP
PASSPSPLSGSALCGGKQEAGDSPPPAPGTPKANGSQPNSGSPQPAP
  
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_139315

**ORF Size:** 2031 bp

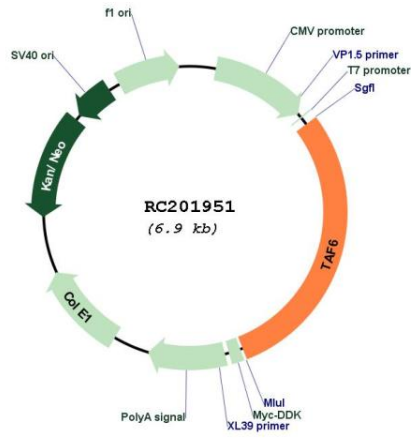
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_139315.3</a>
<b>RefSeq Size:</b>	2489 bp
<b>RefSeq ORF:</b>	2034 bp
<b>Locus ID:</b>	6878
<b>UniProt ID:</b>	<a href="#">P49848</a>
<b>Cytogenetics:</b>	7q22.1
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Basal transcription factors
<b>MW:</b>	72.7 kDa
<b>Gene Summary:</b>	<p>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 weakly to TBP but strongly to TAF1, the largest subunit of TFIID. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]</p>

Product images:



Circular map for RC201951