

## Product datasheet for **RG201951**

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

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TAF6 (NM_139315) Human Tagged ORF Clone
Tag:	TurboGFP
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-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG201951 representing NM\_139315  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGAGGAGAAGAAGCTGAAGCTTAGCAACACTGTGCTGCCCTCGGAGTCCATGAAGTGGTGGCTG  
 AATCCATGGGCATCGCCAGATTCAGGAGGAGACTGCCAGCTGCTAACGGATGAGGTGAGTACCGCAT  
 CAAAGAGATCGCACAGGATGCCTTGAAGTTCATGCACATGGGGAAGCGGAGAGCTCACCACAGTGAC  
 ATTGACTACGCCTTGAAGCTAAAGAATGTCGAGCCACTCTATGGCTTCCACGCCAGGAGTTCATTCCTT  
 TCCGCTTCGCCTCTGGTGGGGCCGGGAGCTTTACTTCTATGAGGAGAAGGAGGTTGATCTGAGCGACAT  
 CATCAATACCCCTCTGCCCGGGTGGCCCTGGACGTCTGCCTCAAAGCTCATTGGCTGAGCATCGAGGGC  
 TGCCAGCCAGCTATCCCCGAGAACCCGCCCCAGCTCCCAAAGAGCAACAGAAGGCTGAAGCCACAGAAC  
 CCCTGAAGTCAGCAAGCCAGGCCAGGAGAAGACGGACCCTGAAGGGCAAAGGTCAAGGGGCCACCAC  
 AGCCGACGGCAAAGGGAAAGAGAAGAAGCGCCGCCCTTGTGGAGGGGGCCCCCTTGCGACTGAAGCCC  
 CGGAGCATCCACGAGTTGTCTGTGGAGCAGCAGCTCTACTACAAGGAGATCACCGAGGCCTGCGTGGGCT  
 CCTGCGAGGCCAAGAGGGCGGAAGCCCTGCAAAGCATTGCCACGGACCCTGGACTGTATCAGATGCTGCC  
 ACGGTTACGTACCTTTATCTCGGAGGGGTCGGTGTGAACGTGGTTTACAGAAACCTGGCCCTACTCATC  
 TACCTGATGCGTATGGTAAAGCGCTGATGGACAACCCACGCTCTATCTAGAAAAATACGTCCATGAGC  
 TGATCCAGCTGTGATGACCTGCATCGTGGAGCAGAGTGTGCCTGCGACCAGATGTGGACAATCACTG  
 GGCCTCCGAGACTTTGCTGCCCGCCTGGTGGCCAGATCTGCAAGCATTTTAGCACAACCACTAACAAAC  
 ATCCAGTCCCGGATCACAAGACCTTACCAAGAGCTGGTGGACGAGAAGACGCCCTGGACGACTCGTT  
 ATGGCTCCATCGCAGGCTTGGCTGAGCTGGGACACGATGTTATCAAGACTCTGATTCTGCCCGGCTGCA  
 GCAGGAAGGGGAGCGGATCCGCAGTGTGCTGGACGGCCCTGTGCTGAGCAACATTGACCGGATTGGAGCA  
 GACCATGTGCAGAGCCTCCTGCTGAAACTGTGCTCCTGTTCTGGCAAAGCTGCGCCACCCGCTGACA  
 ATCAGGACGCTATCGGGCAGAATTGGGTCCTTGGGCCCTCCTCTGCTCCCAGGTGGTCAAGGCTCG  
 GGCCAGGCTGCTCTGCAGGCTCAGCAGGTCAACAGGACCCTGACCATCACGAGCCCCGGCCACG  
 CTGACCCTCTCGCAGGCCCCACAGCCTGGCCCTCGCACCCTGGCTTGTGAAGGTTCTGGCTCCATCG  
 CACTTCTGTCCAGACTGGTGTCTGCACGAGCGGCTGCCCCACCACAGCCTTCCCTCCTCAACCAA  
 GTTTATTGTAATGTCATCGTCTCCAGCGCCCCATCCACCAGCAGGTCTGTCCCTCAGCACCTCGGCC  
 CCCGGCTCAGGTTCCACCACCACTTCGCCCGTACCACCACCGTCCCAGCGTGCAGCCCATCGTCAAGT  
 TGGTCTCCACCGCCACCACCGCACCCCCAGCACTGCTCCCTCTGGTCTGGGAGTGTCCAGAAGTACAT  
 CGTGGTCTCACTTCCCCAACAGGGGAGGGCAAAGGAGGCCCCACCTCCCATCCTTCTCCAGTTCCTCCC  
 CCGCATCGTCCCGTCCCCTCAGCGGAGTGCCTTTGTGGGGGAAGCAGGAGGCTGGGGACAGTC  
 CCCCTCCAGTCCAGGGACTCCAAAAGCCAATGGCTCCAGCCAACTCCGGTCCCCTCAGCCTGCTCC  
 G

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG201951 representing NM\_139315  
Red=Cloning site Green=Tags(s)

```

MAEEKKLLKLSNTVLPSESMKVVAESMGIAQIQEETCQLLTDEVSYRIKEIAQDALKFMHMGKRQKLTTS
IDYALKLKNVEPLYGFHAQEFIPFRFASGGGREL YFYEEKEVDLSDIINTPLPRVPLDVCLKAHWLSIEG
CQPAIPENPPPAPKEQQKAEATEPLKSAKPGQEEDGPLKKGQGATTADGKGEKKAPLLEGA PLRLKP
RSIHELSVEQQLYKYEITEACVGSCEAKRAEALQSIATDPGLYQMLPRFSTFI SEGVRVNVVQNNLALLI
YLMRMVKALMDNPTLYLEKYVHELIPAVMTCIVSRQLCLRPDVDNHWALRDF AARLVAQICKHFSTTTNN
IQSRITKTFTKSWVDEKTPWTRYVGSIAGLAELGHDVIKTLILPRLQQEGERIRSVLDGPVLSNIDRIGA
DHVQSLLLKHCAPVLAKLRPPDNQDAYRAEFGSLGPLLCSQVVKARAQAALQAQQVNR TLTITQPRPT
LTL SQAPQPGPRTPGLLKVPGSIALPVQTLVSARAAAPPQSPPTKFI VMSSSSSAPSTQQVLSLSTSA
PGSGSTTTSPVTTTVPVSVQPIVKLVSTATTAPPSTAPSGPGSVQKIYV VSLPPTGEGKGGPTSHSPVPP
PASSPSPLSGSALCGGKQEAGDSPPPAPGTPKANGSQPNSGSPQPAP
    
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_139315

**ORF Size:** 2031 bp

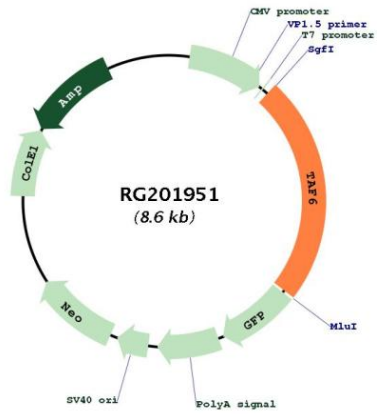
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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>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 RG201951