

## Product datasheet for **RG231390**

### TAF6 (NM\_001190415) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAF6 (NM_001190415) 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:

>RG231390 representing NM\_001190415  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGACAAAGCGCCGTCTACAAACAATCACCGCTTGCCTTCAACTTCGGAAGGGTCTCCGTCTCTCCACC  
GGGGGTTTCATCCTTCCAGGGAGGAGAAGAGGGACTCCAGAATGGCTGAGGAGAAGAAGCTGAAGCTTAG  
CAACACTGTGCTGCCCTCGGAGTCCATGAAGGTGGTGGCTGAATCCATGGGCATCGCCAGATTCAGGAG  
GAGACCTGCCAGCTGCTAACGGATGAGGTGAGCTACCGCATCAAAGAGATCGCACAGGATGCCTTGAAGT  
TCATGCACATGGGAAGCGGCAGAAGCTCACCACCAGTGACATTGACTACGCCTTGAAGCTAAAGAATGT  
CGAGCCACTCTATGGCTTCCACGCCAGGATTCATTCTTTCCGCTTCCGCTCTGGTGGGGCCGGGAG  
CTTTACTTCTATGAGGAGAAGGAGTTGATCTGAGCGACATCATCAATACCCCTCTGCCCGGGTGGCCC  
TGGACGTCTGCCTCAAAGCTCATTGGCTGAGCATCGAGGGCTGCCAGCCAGCTATCCCGAGAACCAGCC  
CCCAGCTCCCAAAGAGCAACAGAAGGCTGAAGCCACAGAACCCTGAAGTCAGCCAAGCCAGGCCAGGAG  
GAAGACGACCCCTGAAGGGCAAAGGTCAAGGGGCCACCACAGCCGACGGCAAAGGGAAAGAGAAGAAGG  
CGCCGCCCTTGCTGGAGGGGGCCCTTGCAGACTGAAGCCCCGGAGCATCCACGAGTTGTCTGTGGAGCA  
GCAGCTCTACTACAAGGAGATCACCGAGGCCTGCGTGGGCTCTGCGAGGCCAAGAGGGCGGAAGCCCTG  
CAAAGCATTGCCACGGACCCTGGACTGTATCAGATGCTGCCACGGTTCAGTACCTTTATCTCGGAGGGGG  
TCCGTGTGAACGTGGTTCAGAACAACTGGCCCTACTCATCTACCTGATGCGTATGGTGAAGCGCTGAT  
GGACAACCCACGCTCTATCTAGAAAAATACGTCCATGAGCTGATTCCAGCTGTGATGACCTGCATCGTG  
AGCAGACAGTTGTGCCTGCGACCAGATGTGGACAATCACTGGGCACTCCGAGACTTTGCTGCCCGCTGG  
TGGCCAGATCTGCAAGCATTTTAGCACAACTAACAACATCCAGTCCCGGATCACCAAGACCTTCCAC  
CAAGAGCTGGGTGGACGAGAAGACGCCCTGGACGACTCGTTATGGCTCCATCGCAGGCTTGCTGAGCTG  
GGACACGATGTTATCAAGACTCTGATTCTGCCCGGCTGCAGCAGGAAGGGGAGCGGATCCGCAGTGTGC  
TGGACGGCCCTGTGCTGAGCAACATTGACCGGATTGGAGCAGACCATGTGCAGAGCCTCCTGCTGAAACA  
CTGTGCTCCTGTTCTGGCAAAGCTGCGCCACCCTGACAATCAGGACGCCTATCGGGCAGAATTCGGG  
TCCCTTGGGCCCTCCTCTGCTCCAGGTGGTCAAGGCTCGGGCCAGGCTGCTCTGCAGGCTCAGCAGG  
TCAACAGGACCACTCTGACCATCACGACGCCCGGCCACGCTGACCCTCTCGCAGGCCCCACAGCCTGG  
CCCTCGCACCCCTGGCTTGCTGAAGTTCTGGTCCATCGCACTTCTGTCCAGACACTGGTGTCTGCA  
CGAGCGGCTGCCACCACAGCCTTCCCCTCCTCAACCAAGTTATTGTAAATGTCATCGTCTCCAGCG  
CCCATCCACCCAGCAGTCTGTCCCTCAGCACCTCGGCCCGGCTCAGGTTCCACCACCACTTCGCC  
CGTCAACCACCGTCCCGAGCTGCAGCCATCGTCAAGTTGGTCTCCACCGCCACCACCGCACCCCC  
AGCACTGCTCCCTCTGGTCTGGGAGTGTCCAGAAGTACATCGTGGTCTCACTTCCCCAACAGGGGAGG  
GCAAAGGAGGCCCCACCTCCCATCCTTCTCCAGTTCTCCCCGGCATCGTCCCCGTCCCCACTCAGCGG  
CAGTGCCCTTTGTGGGGGAAGCAGGAGGCTGGGGACAGTCCCCCTCCAGCTCCAGGACTCCAAAAGCC  
AATGGCTCCAGCCCACTCCGGCTCCCCTCAGCCTGCTCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG231390 representing NM\_001190415  
Red=Cloning site Green=Tags(s)

```

MTKRRLQTITACLQLREGSPSLHRGLHPSREEKRDSRMAEKKLKL SNTVLPSESMKVVAESMGIAQIQE
ETCQLLTDEVSYRIKEIAQDALKFMHMGKRQKLT TSDIDYALKLKNVEPLYGFHAQEFIPFRFASGGGRE
LYFYEEKEVDLSDIINTPLPRVPLDVCLKAHWLSIEGCQPAIPENPPPAPKEQQKAEATEPLKSAKPGQE
EDGPLKGGKQGATTADGKGKEKKAPLLEGAPLRLLKPRSIHEL SVEQQLYKYEITEACVGSCEAKRAEAL
QSIATDPGLYQMLPRFSTFI SEGVRVNVVQNNLALLIYLMRMVKALMDNPTLYLEKYVHELIPAVMTCIV
SRQLCLRDPVDNHWALRDF AARLVAQICKHFSTTTNNIQSRITKFTKSWVDEKTPWTTTRYGSIAGLAE
GHDVIKTLILPRLQQEGERIRSVLDGPVLSNIDRIGADHVQSLLLKHCAPVLAKLRPPPDNDQAYRAEFG
SLGPLLCSQVVKARAQAALQAQVNR TLTITQPRPTLTL SQAPQPGPRTPGLLKVPGSIALPVQTLVSA
RAAAPQPSPPTKFI VMSSSSSAPSTQQVLSLSTSAPGSGSTTTSPVTTTVPSVQPIVKLVSTATTAPP
STAPSGPQSVQKIVVSLPPTGEGKGGPTSHSPVPPPASSPSPLSGSALCGGKQEAGDSPPPAPGTPKA
NGSQPNSGSPQPAP
    
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001190415

**ORF Size:** 2142 bp

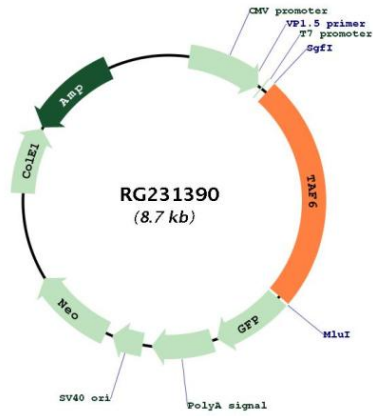
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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_001190415.2</a>
<b>RefSeq Size:</b>	2458 bp
<b>RefSeq ORF:</b>	2145 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 RG231390