

## Product datasheet for **RG213159**

### TAF2 (NM\_003184) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAF2 (NM_003184) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TAF2
Synonyms:	CIF150; MRT40; TAF2B; TAFII150
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213159 representing NM_003184 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCGCTGACTGGTGTAGAGCCCGCCAGAATGAACAGGAAGAAAGGAGACAAGGGCTTTGAAAGCCCAA  
GGCCATATAAATTAACCCATCAGGTCGTCTGCATCAACAACATAAATTTCCAGAGAAAATCTGTTGTGGG  
ATTTGTGGAAGTACTATATTTCCACAGTTGCAAACTGAATAGAATCAAGTTGAACAGCAAACAGTGT  
AGAATATACCGAGTAAGGATCAATGATTTAGAGGCTGCTTTTATTATAATGACCCAACCTTGAAGTTT  
GTCACAGTGAATCAAACAGAGAAACCTCAATTATTTTCCAATGCTTATGCAGCTGCAGTTAGTGTCTGT  
GGACCCTGATGCAGGAAATGGAGAACTTTGCATTAAGGTTCCATCAGAGCTATGGAAACAGTTGATGAG  
TTAAAGGTCTGAAGATACACATCAATTTTTCTTTGGATCAGCCCAAAGGAGGTCTTCATTTTGTGGTAC  
CCAGTGTAGAGGGAAGTATGGCAGAGAGAGGTGCTCATGTTTTCTTTGTGGGTATCAAAATTTCTACAAG  
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TTAAGACTGTCTTCAATGATGAGGCTTATGTTGAAGTGGCTGCTTATGCTTCCATGAGCATTTTTAGCAC  
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GCCAGCAGTTTTTTGGTGTTCATATCTAGAATGTCTTGGTCTGATGAATGGGTGCTGAAGGGAATTT  
CAGGCTATATCTATGGACTTTGGATGAAAAAACTTTTGGTGTAAATGAGTACCGCCATTGGATTAAGA  
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CATATGTGGAGTCAGATGTTGGTTCCACATCTGGGTTTTGAAATCCATTTCAAATGTCTCTGGCAAAG  
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CAAGCATAAGCATGACAGTAAAGAAAAGGACAAGGAGCCTTTCACTTTCTCCAGCCCTGCCAGTGGCAGG  
TCTATTGTTCTCCTTCCCTTTCAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213159 representing NM\_003184  
 Red=Cloning site Green=Tags(s)

MPLTGVEPARMNRKKGDKGFESPRPYKLTHQVVCINNINFQRKSVVGFVELTIFPTVANLNRIKLNKQCR  
 RIYRVRINDLEAAFIYNDPTLEVCHSESKQRNLNYFSNAYAAAVSAVDPDAGNELCIKVPSELWKHVDE  
 LKVLKIHINFSLDQPKGGLHFVVPVSEGSMAERGAHVFCGYQNSRTRFWFPCVDSYSELCTWKLEFTVDA  
 AMVAVNGDLVETVYTHDMRKKTFHYMLTIPTAASNISLAIGPFEILVDPYMHEVTHFCPLPQLLPLLKHT  
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 AQQFFGCFISRMSWSEWLVKGISGYIYGLWMKKTFGVNEYRHWIKEELDKIVAYELKTGGVLLHPIFGG  
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 CLAKIANSMVSTWTGPPAMKSLFTRMFCKSCPNIVKTNFMFSFYFLQKTMVAMALLRDVHNLCPKE  
 VLTFFILDLIKYNDRKNKFSDNYYRAEMIDALANSVTPAVSVNNEVRTLDNLNPDVRLILEEITRFLNME  
 KLLPSYRHTITVSCLRAIRVLQKNGHVPSPALFKSYAEYGHFVDIRIAALEAVVDYTKVDRSYEELQWL  
 LNMIQNDPVPYVRHKILNMLTKNPPFTKNMESPLCNEALVDQLWKLMSNGTSHDWRLRCGAVDLYFTLFG  
 LSRPSCPLPELGLVLNLKEKKAVALNPTIIPESVAGNQEANNPSSHPQLVGFQNPFSSSQDEEEDMDT  
 VHDSQAFISHHLNMLERPSTPGLSKYRPPASSRSALIPQHSAGCDSTPTTKPQWSLELARKGTGKEQAPLE  
 MSMHPAASAPLSVFTKESTASKHSDHHHHHHHEHKKKKKKHKKHKKHKKHDSKEKDKPEFTFSSPASGR  
 SIRSPSLSD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

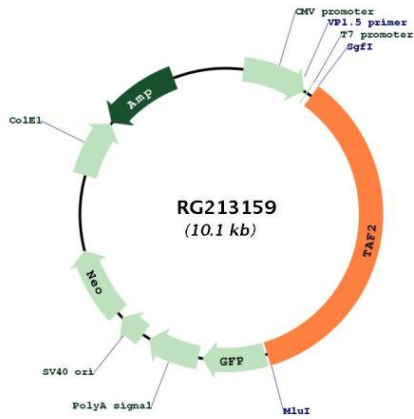


ACCN: NM\_003184

ORF Size: 3597 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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_003184.2</a> , <a href="#">NP_003175.1</a>
<b>RefSeq Size:</b>	5019 bp
<b>RefSeq ORF:</b>	3600 bp
<b>Locus ID:</b>	6873
<b>UniProt ID:</b>	<a href="#">Q6P1X5</a>
<b>Cytogenetics:</b>	8q24.12
<b>Domains:</b>	Peptidase_M1
<b>Protein Families:</b>	Protease, Transcription Factors
<b>Protein Pathways:</b>	Basal transcription factors
<b>Gene Summary:</b>	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 is stably associated with the TFIID complex. It contributes to interactions at and downstream of the transcription initiation site, interactions that help determine transcription complex response to activators. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG213159