

## Product datasheet for **RG207437**

### TAF7 (NM\_005642) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAF7 (NM_005642) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TAF7
Synonyms:	TAF2F; TAFII55
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207437 representing NM_005642 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTAAAGCAAAGATGATGCTCCTCACGAAGTGGAGAGCCAGTTTATCTTACGTCTGCCTCCAGAAT  
ATGCCTCTACTGTGAGAAGGGCAGTACAGTCTGGTCATGTCAACCTCAAGGACAGACTGACAATTGAGTT  
ACATCCTGATGGGCGTCATGGAATCGTCAGAGTGGACCGTGTCCATTGGCCTCAAATAGTAGACCTG  
CCCTGTGTATGAAAAGCTTAAAAACCATTGATAAAAAAACTTTTACAAGACAGCTGATATCTGTCAGA  
TGCTTGTATCCACAGTTGATGGTATCTCTATCCTCCTGTGGAGGAGCCAGTTGCTAGCACTGATCCTAA  
AGCAAGCAAGAAAAGGATAAAGGACAAAGAGAAAAGTTTATCTGGAACACGGAATTACTCTGCCTCTA  
AAGAATGTCAGGAAGAGAAGGTTCCGGAAGACAGCAAAGAAGAAATATATTGAATCTCCAGATGTTGAAA  
AAGAAGTGAACGATTGCTGAGTACAGATGCTGAAGCTGTTAGTACTCGGTGGGAAATAATTGCCGAAGA  
TGAAACAAAGGAGGCAGAAAATCAAGGCCTGGATATCTCTTCCAGGAATGCTGGTCACAGGCAGGGC  
CATGACTCATTAGAACATGATGAGCTTCGGGAGATATTCAATGACCTCAGCAGCAGCAGTGGAGTGAAG  
ATGAGACCCAGCATCAAGATGAAGAAGATATAACATCATTGACACGGAGGAAGTCTGGAGAGACAGCT  
ACAGGACAAGCTAAATGAATCAGATGAACAGCACCAGGAAAATGAAGGAACCAATCAGCTGGTTATGGGA  
ATTCAGAAGCAGATTGACAACATGAAAGCAAGCTCCAAGAGACCCAGGACAGGGCAAACGACAAGAGG  
ATCTCATGAAAGTGAAAATCTGGCTCTCAAGAACAGATTTTCAAGGCTGTACTGGATGAGCTCAAACA  
AAAGGAAGACCGAGAAAAGGAGCAACTCAGCTCTTTGCAAGAGGAGCTAGAATCACTCCTAGAGAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207437 representing NM\_005642  
 Red=Cloning site Green=Tags(s)

MSKSKDDAPHELESQFILRLPPEYASTVRRVAVQSGHVNLKDRLTIELHPDGRHGI VRVDRVPLASKLVLDL  
 PCVMSLKTIDKKTfYKTADICQMLVSTVDGDL YPPVEEPVASTDPKASKKKDKDKEKFIWNHGITLPL  
 KNVRRRFRKTAKKKYIESPDVEKEVKRLLSTDAEAVSTRWEIIAEDETKEAENQGLDISSPGMSGHRQG  
 HDLSLEHDELREIFNDLSSSEDEDETQHQDEEDINI IDTEEDLERQLQDKLNEDEQHQENEGTNQLVMG  
 IQKQIDNMKGKLQETQDRAKRQEDLIMKVENLALKNRFQAVLDELKQKEDREKEQLSSLQEELESLLLEK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_005642

**ORF Size:** 1047 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_005642.3](#)

**RefSeq Size:** 2310 bp

**RefSeq ORF:** 1050 bp

**Locus ID:** 6879

**UniProt ID:** [Q15545](#)

**Cytogenetics:** 5q31.3

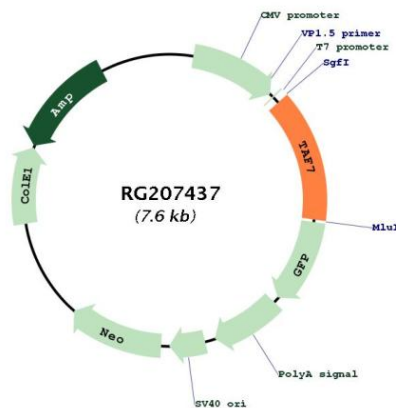
**Domains:** TAFII55\_N

**Protein Families:** Transcription Factors

**Protein Pathways:** Basal transcription factors

**Gene Summary:** The intronless gene for this transcription coactivator is located between the protocadherin beta and gamma gene clusters on chromosome 5. The protein encoded by this gene is a component of the TFIID protein complex, a complex which binds to the TATA box in class II promoters and recruits RNA polymerase II and other factors. This particular subunit interacts with the largest TFIID subunit, as well as multiple transcription activators. The protein is required for transcription by promoters targeted by RNA polymerase II. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG207437