

Product datasheet for **RG203466**

TAF11 (NM_005643) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TAF11 (NM_005643) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TAF11
Synonyms: MGC:15243; PRO2134; TAF2I; TAFII28
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203466 representing NM_005643
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGATGCCACGAGTCGCCCTCCGACAAAGGTGGAGAGACAGGGGAGTCGGATGAGACGGCCGCTG
TGCCCGGGACCCGGGGCTACCGACACCGATGGAATCCAGAGGAACTGACGGAGACGCAGATGTGGA
CTTGAAGAAGCTGCAGCGGAGGAAGGCGAGCTCGAGAGTCAGGATGTCTCAGATTTAACACAGTTGAA
AGGAAGACTCATCATTACTTAATCCTGCAGCCAAAAAAGTAAAATAGATACCAAGAAAAGAAAGAGA
AAAAGCAGAAAGTAGATGAAGATGAGATTCAGAAGATGCAAATCCTGGTTCTTCTTTTCTGAGGAGCA
GCTGAACCGTTATGAAATGTATCGCCGCTCAGCTTTCCCTAAGGCAGCCATCAAAAGGCTGATCCAGTCC
ATCACTGGCACCTCTGTGTCTCAGAATGTTGTTATTGCTATGTCTGGTATTTCCAAGTTTTCTGTCGGGG
AGGTGGTAGAAGAAGCACTGGATGTGTGTGAGAAGTGGGGAGAAATGCCACCACTACAACCCAAACATAT
GAGGGAAGCCGTTAGAAGGTTAAAGTCAAAGGACAGATCCCTAACTCGAAGCACAAAAAATCATCTTC
TTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203466 representing NM_005643
 Red=Cloning site Green=Tags(s)

MDDAHESPSDKGGETGESDETAAPVGPDPGATDTDGIPEETDGDADVDLKEAAAEEGELESQDVSDLTTVE
 REDSSLLNPAAKLKLIDTKEKKEKKQKQVDEDEIQKMQILVSSFSEEQLNRYEMYRRSAFPKAAIKRLIQS
 ITGTSVSQNVVIAMSGISKVVFGEVVEEALDVCEKWGEMPPLPKHMREAVRRLKSKGQIPNSKHKKIIF
 F

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005643

ORF Size: 633 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_005643.4](#)

RefSeq Size: 1599 bp

RefSeq ORF: 636 bp

Locus ID: 6882

UniProt ID: [Q15544](#)

Cytogenetics: 6p21.31

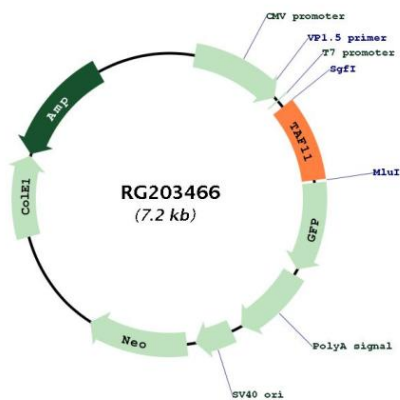
Domains: TAFII28

Protein Families: Transcription Factors

Protein Pathways: Basal transcription factors

Gene Summary: 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 a small subunit of TFIID that is present in all TFIID complexes and interacts with TBP. This subunit also interacts with another small subunit, TAF13, to form a heterodimer with a structure similar to the histone core structure. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2012]

Product images:



Circular map for RG203466