

Product datasheet for **RG204138**

TAF10 (NM_006284) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TAF10 (NM_006284) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TAF10
Synonyms: TAF2A; TAF2H; TAFI130
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG204138 representing NM_006284
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCTGCAGCGGCTCCGGCGCGGACCCCGAGGCGGCGCGCCTCCGCCGCTCGGCCCGGGCCCCG
 CGCCCCGGTCTCGGCTCCCGCCGCGTGCCTCCAGCACCGCCGCGGAGAACAAGGCCAGCCCCGCGGG
 GACAGCGGGGGACCTGGGGCTGGAGCAGCTGCTGGGGGACGGGACCTTGGCGCGCGGGCCGGGGAG
 CCAGCTGAGCGGCGTGGGGCGGCTCCGGTGTGCGCGGGTGGCGCGCGCCCCGGAGGGGGCCATATCTA
 ACGGGTTTACGTACTGCCGAGCGGCAACGGAGACGTGAAGCCCGTGGTGTCCAGCACGCCTTTGGT
 GGACTTCTTGATGCAGCTGGAAGATTACAGCCTACGATCCCAGATGCAGTGACTGGTTACTACCTGAAC
 CGTGCTGGCTTTGAGGCCTCAGACCCACGCATAATTCCGGCTCATCTCCTTAGCTGCCAGAAATTCATCT
 CAGATATTGCCAATGATGCCCTACAGCACTGCAAATGAAGGGCACGGCCTCCGGCAGCTCCCGGAGCAA
 GAGCAAGGACCGCAAGTACACTTAACCATGGAGGACTTGACCCCTGCCCTCAGCGAGTATGGCATCAAT
 GTGAAGAAGCCGCACTACTTCACC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204138 representing NM_006284
 Red=Cloning site Green=Tags(s)

MSCSGSGADPEAAPASAASAPGPAPPVSAPAALPSSTAENKASPAGTAGGPGAGAAAGGTGPLAARAGE
 PAERRGAAPVSAGGAAPPEGAISNGVYVLP SAANGDVKPVVSSSTPLVDFLMQLEDYTP TIPDAVTGYL N
 RAGFEASDPRIIRLISLAAQKFISDIANDALQHCKMKGTASGSSRSKSKDRKYTLTMEDLTPALSEYGIN
 VKKPHYFT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006284

ORF Size: 654 bp

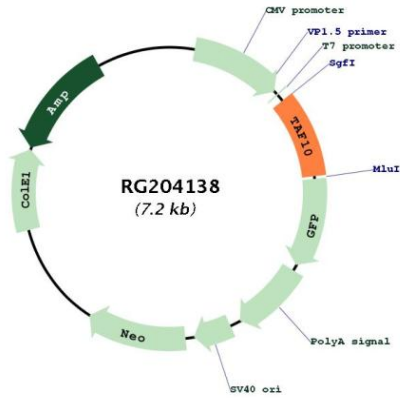
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<ol style="list-style-type: none">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_006284.4
RefSeq Size:	762 bp
RefSeq ORF:	657 bp
Locus ID:	6881
UniProt ID:	Q12962
Cytogenetics:	11p15.4
Domains:	TFIID_30kD
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Basal transcription factors
Gene Summary:	<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 small subunits of TFIID that is associated with a subset of TFIID complexes. Studies with human and mammalian cells have shown that this subunit is required for transcriptional activation by the estrogen receptor, for progression through the cell cycle, and may also be required for certain cellular differentiation programs. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for RG204138