

Product datasheet for **RG225149**

TAF12 (NM_001135218) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TAF12 (NM_001135218) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TAF12
Synonyms: TAF2J; TAFII20
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG225149 representing NM_001135218
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCAAGTTGGCCCTCAGCCCTAATCAACCTCTCCAATTTCTCATCCATAAAACCGGAACCAAGCCA
GCACCCCTCCACAAGGCTCCATGGCCAATAGTACTGCAGTGGTAAAGATACCAGGCACTCTGGGCAGG
AGGTCGCTTAGCCCTGAAAACAATCAGGTATTGACCAAGAAGAAATTACAGGACTTAGTAAAGAGAAGTG
GATCCTAATGAGCAGTTGGATGAAGATGTGGAGGAGATGCTGCTGCAGATTGCTGATGATTTTATCGAGA
GTGTGGTGACAGCAGCCTGTCAGCTTGCAGCGGCATCGCAAGTCTAGCACCTGGAGGTGAAAGATGTCCA
GCTGCATTTAGAGCGCCAGTGGAAATGTGGATCCAGGATTTGGCTCTGAAGAAATCCGACCCTACAAA
AAAGCTTGACCCACAGAAGCTCACAAACAGAGAATGGCATTGATCCGAAAAACAACCAAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG225149 representing NM_001135218
Red=Cloning site Green=Tags(s)

MNQFGPSALINLSNFSSIKPEPASTPPQGS MANSTAVVKIPGTPGAGGRLSPENNQVLTKKQLDLVREV
DPNEQLDEDVEEMLLQIADDFIESVVTAAACQLARHRKSSSTLEVQDVLHLERQWNMIPFGFSEEIRPYK
KACTTEAHKQRMALIRKTTKK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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:	<u>NM_001135218.2</u>
RefSeq Size:	1466 bp
RefSeq ORF:	486 bp
Locus ID:	6883
UniProt ID:	<u>Q16514</u>
Cytogenetics:	1p35.3
Protein Families:	Transcription Factors
Protein Pathways:	Basal transcription factors
Gene Summary:	Control of transcription by RNA polymerase II involves the basal transcription machinery which is a collection of proteins. These proteins with RNA polymerase II, assemble into complexes which are modulated by transactivator proteins that bind to cis-regulatory elements located adjacent to the transcription start site. Some modulators interact directly with the basal complex, whereas others may act as bridging proteins linking transactivators to the basal transcription factors. Some of these associated factors are weakly attached while others are tightly associated with TBP in the TFIID complex. Among the latter are the TAF proteins. Different TAFs are predicted to mediate the function of distinct transcriptional activators for a variety of gene promoters and RNA polymerases. TAF12 interacts directly with TBP as well as with TAF2I. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Sep 2008]