

## Product datasheet for **MG207231**

### Taf1a (BC061106) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | Taf1a (BC061106) Mouse Tagged ORF Clone |
| Tag:                      | TurboGFP                                |
| Symbol:                   | Taf1a                                   |
| Synonyms:                 | mTAFI48; TAFI48                         |
| Mammalian Cell Selection: | Neomycin                                |
| Vector:                   | pCMV6-AC-GFP (PS100010)                 |
| E. coli Selection:        | Ampicillin (100 ug/mL)                  |



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**ORF Nucleotide Sequence:**

>MG207231 representing BC061106  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGAGTGATTTCGGTGAAGAGTTGACAAAGCTGGCTGTGGCAGAGGATAACCCAGAAACGTCGGTGC  
 TCTCTAAAACGGGAATGCATTTCCCATGGCTTCAACAAGCACGTTGAAGCTGTAGTACTGGAGGGAAGAA  
 GAGGAAGGATTTTCTCAGACGACAAGTCTTGTAAAGCTTTATCCAGGAAGCCCTGCTGAAGCACAG  
 TGGCAGCAAGCTGCAGAGTATATGCACAGTTACCTGCAGACCCTGGAGGACTCAGACACCGACAAGAGAC  
 AGGCTGCCCTGAGATCATTTGGAAGCTTGAAGTGAAATTTCTATTTTACCACCCAAAAGCAATGTGGA  
 GACTTTTAAATAGCTTCGCTGACCGGATGAAAAATATTGGTGTCTTGAATTATTTAAAGATCTCCTTACAA  
 CACGCCTGTATCTTTACATCATGGAATGCTTGATGATGCGAACAGGAACCTGAGTAAGGCAGAGACGT  
 GGAGGTATGGAGAAAAGTCGTCTTCTCAGGAAGTGTGATCAACCTTGTTCAGGCTTACAAAGGCTTCT  
 GCAGTACTACACTTGGACCAGAAAGAAGATGGAGTTGTCAAAGCTTGATGAAGATGATTACGCTTACGCC  
 GCCAAAACCCGAACCATGCTCAGCCAGAGCTGCAAGACGTCTACAAATATCTGTGCACTGGTCAAAACCC  
 CCGGGGTCTGGGATCCTTTTGTGAAGAGTTATGTGGAGATGCTGGAGTCTATGGTGATCAAGATGGAGC  
 CCGAGAGATGCTCACCAATTATGCATATGATGAGAAGTCCCCTCGAACCCCAACGCCACGCTCTACTTA  
 TACGAGTTTCTCAAGAGAGAGAAGGCACCGAGGGCGAAGCTCATAAGTGTCTTAAGATTTTACATGAGA  
 TTGTGCCATCCCATACACTAATGTTAGAATCCATACATTGCTTAGAAAAACAGACACAGAAGAACACCA  
 GAAACTGGGCTTGTCTGTGTTATTTGAAGTCTGGACTTCGCTGGATGCAATAAGAACATAACGGCTTG  
 AAATACTTGGCAAAGTATCTGAAGCAGATATTAGTGGGAAGCCATCACGAGTGGGTTGAAGAAGAGTGGA  
 AGTCTAGGAGGAACTGGTGGCCAGCTTTTCACTTCAGCTTCTTTTGGGCGAAGAGTGACTGGAAGGCAGA  
 CACTGACTTGGCTTGTGAGAAAAGCTTTTGTGGCAGGGGTCTTTTAGGAAAAGGTTGTAATATTTTCGG  
 TATATTTTAAAACAAGATCATGAAACCTTGAAGAAGAAAATCAAGCGAATGAAGAAGTCTGTGAAAAAT  
 ACACTATTGTAATCCAGGTGTTACACC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG207231 representing BC061106  
 Red=Cloning site Green=Tags(s)

MMSDFGEELTKLAVAEDNPETSVLSKTMHFPWLHKHVEAVVTGGKKRKDFAQTTSACLSFIQEALLKHQ  
 WQQAAEYMHSYLQTLSDTDKRQAPEIIWKLGSEILFYHPKSNVETFNFSADRMRKNIQVNLKISLQ  
 HALYLLHHGMLDDANRNL SKAETWRYGEKSSSQEVLINLVQAYKGLLQYYTWTRKMMELSKLDEDDYAYA  
 AKTRTMLSQSCKTSTNICALVKTPGVWDPFVKSYVEMLEFYGDQDGAREMLTNYAYDEKFPSPNAHVYL  
 YEFKREKAPRAKLI SVLKILHEIVPSHTLMLEFHTLLRKSDTEEHQKLGSLVFEVLDFAGCNKINITAW  
 KYLAKYLKQILVGSHEWVEEWEKSRNWWPAFHFSFFWAKSDWKADTDLACEKAFVAGVLLGKGCKYFR  
 YILKQDHETLKKKIKRMKKS VKKYTIIVNPGVHT

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** BC061106

**ORF Size:** 1361 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:** [BC061106](#), [AAH61106](#)

**RefSeq Size:** 2421 bp

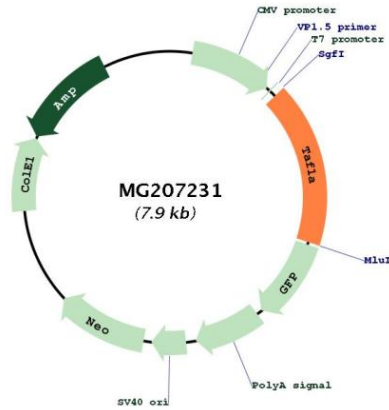
**RefSeq ORF:** 1361 bp

**Locus ID:** 21339

**Cytogenetics:** 1 H5

**Gene Summary:**

Component of the transcription factor SL1/TIF-IB complex, which is involved in the assembly of the PIC (pre-initiation complex) during RNA polymerase I-dependent transcription. The rate of PIC formation probably is primarily dependent on the rate of association of SL1/TIF-IB with the rDNA promoter. SL1/TIF-IB is involved in stabilization of nucleolar transcription factor 1/UBTF on rDNA. Formation of SL1/TIF-IB excludes the association of TBP with TFIID subunits (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for MG207231