

Product datasheet for **MC227811**

Taf1a (NM_001277958) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taf1a (NM_001277958) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Taf1a
Synonyms:	mTAFI48; TAFI48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC227811 representing NM_001277958
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGAGTGATTTCGGTGAAGAGTTGACAAAGCTGGCTGTGGCAGAGGATAACCCAGAAACGTCGGTGC
 TCTCTAAAACGGGAATGCATTTCCCATGGCTTCACAAGCACGTTGAAGCTGTAGTACTGGAGGGAAGAA
 GAGGAAGGATTTTCTCAGACGACAAGTCTTGTTTAAGCTTTATCCAGGAAGCCCTGCTGAAGCACAG
 TGGCAGCAAGCTGCAGAGTATATGCACAGTTACCTGCAGACCCTGGAGGACTCAGACACCGACAAGAGAC
 AGGCTGCCCTGAGATCATTGGAAAGCTTGAAGTGAATTTCTATTTACCACCCAAAAGCAATGTGGA
 GACTTTTAAATAGCTTCGCTGACCGGATGAAAAATATTGGTGTCTTGAATTATTTAAAGTGGGTTTTCTTA
 TTGGTGCAGATCTCCTTACAACACGCCTTGTATCTTTTACATCATGGAATGCTTGATGATGCGAACAGGA
 ACCTGAGTAAGGCAGAGACGTGGAGGTATGGAGAAAAGTCGTCTTCTCAGGAAGTGTGATCAACCTTGT
 TCAGGCTTACAAAGGGCTTCTGCAGTACTACACTTGGACCAGAAAAGAAGTGGAGTTGTCAAAGCTTGAT
 GAAGATGATTACGCTTACGCCGCCAAAACCCGAACCATGCTCAGCCAGAGCTGCAAGACGCTACAATA
 TCTGTGCACTGGTCAAAACCCCGGGTCTGGGATCCTTTTGTGAAGAGTTATGTGGAGATGCTGGAGTT
 CTATGGTGTGATCAAGATGGAGCCCAGAGATGCTCACCAATTATGCATATGATGAGAAGTTCCTGCGAAC
 CCCAACGCCACGCTACTTATACGAGTTTCTCAAGAGAGAGAAGGCACCGAGGGCGAAGCTCATAAGTG
 TTCTTAAGATTTTACATGAGATTGTGCCATCCCATACACTAATGTTAGAATCCATACATTGCTTAGAAA
 ATCAGACACAGAAGAACCAGAAACTGGGCTTGTCTGTGTTATTTGAAGTCTGGACTTCGCTGGATGC
 AATAAGAACATAACGGCCTGAAATACTTGGCAAAGTATCTGAAGCAGATATTAGTGGGAAGCCATCAGC
 AGTGGGTTGAAGAAGAGTGAAGTCTAGGAGGAACTGGTGGCCAGCTTTTCACTTCAGCTCTTTTGGGC
 GAAGAGTGACTGGAAGGCAGACACTGACTTGGCTTGTGAGAAAAGCTTTTGTGGCAGGGGCTCTTTTAGGA
 AAAGGTTGTAATATTTTCGGTATATTTTAAAACAAGATCATGAAACCTTGAAGAAGAAAATCAAGCGAA
 TGAAGAAGTCTGTAAAAAATACACTATTGTAATCCAGGTGTTACACC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001277958
- Insert Size:** 1383 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001277958.1](#), [NP_001264887.1](#)

RefSeq Size: 2419 bp

RefSeq ORF: 1383 bp

Locus ID: 21339

UniProt ID: [P97357](#)

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]

Transcript Variant: This variant (4) differs in the 5' UTR and uses an alternate in-frame splice site, compared to variant 1. The encoded isoform (3) is longer than isoform 1.