

Product datasheet for **MC227770**

Taf1a (NM_001277959) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taf1a (NM_001277959) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Taf1a
Synonyms:	mTAFI48; TAFI48
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227770 representing NM_001277959
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGAGTGATTTCGGTGAAGAGTTGACAAAGCTGGCTGTGGCAGAGGATAACCCAGAAACGTCGGTG
 TCTCTAAAACGGGAATGCATTTCCCATGGCTTCACAAGCACGTTGAAGCTGTAGTACTGGAGGGAAGAA
 GAGGAAGGATTTTCTCAGACGACAAGTCTTGTAAAGCTTTATCCAGGAAGCCCTGCTGAAGCACAG
 TGGCAGCAAGCTGCAGAGTATATGCACAGTTACCTGCAGACCCTGGAGGACTCAGACACCCACAAGAGAC
 AGGCTGCCCTGAGATCATTTGGAAGCTTGAAGTGAAATTTCTATTTACCACCCAAAAGCAATGTGGA
 GACTTTTAAATAGCTTCGCTGACCGGATGAAAAATATTGGTGTCTTGAATTATTTAAAGATCTCCTTACAA
 CACGCCTGTATCTTTACATCATGGAATGCTTGATGATGCGAACAGGAACCTGAGTAAGGCAGAGACGT
 GGAGGTATGGAGAAAAGTCGTCTTCTCAGGAAGTGTGATCAACCTTGTTCAGGCTTACAAAGGGCTTCT
 GCAGTACTACACTTGGACCAGAAAGAAGATGGAGTTGTCAAAGCTTGATGAAGATGATTACGCTTACGCC
 GCCAAAACCCGAACCATGCTCAGCCAGAGCTGCAAGACGCTCTACAAATATCTGTGCACTGGTCAAAACCC
 CCGGGGTCTGGATCCTTTTGTGAAGAGTTATGTGGAGATGCTGGAGTCTATGGTGATCAAGATGGAGC
 CCGAGAGATGCTCACCAATTATGCATATGATGAGAAGTCCCCTCGAACCCCAACGCCACGCTACTTAA
 TACGAGTTTCTCAAGAGAGAGAAGGCACCGAGGGCGAAGCTCATAAGTGTCTTAAAGATTTTACATGAGA
 TTGTGCCATCCCATACACTAATGTTAGAATCCATACATTGCTTAGAAAAATCAGACACAGAAGAACACCA
 GAAACTGGGCTTGTCTGTGTTATTTGAAGTCTGGACTTCGCTGGATGCAATAAGAACATAACGGCCTGG
 AAATACTTGGCAAAGTATCTGAAGCAGATATTAGTGGGAAGCCATCACGAGTGGGTTGAAGAAGAGTGGA
 AGTCTAGGAGGAACTGGTGGCCAGCTTTTCACTTCAGCTTCTTTTGGGCGAAGAGTGGAAGGAGGCAGA
 CACTGACTTGGCTTGTGAGAAAAGCTTTTGTGGCAGGGGTCTTTTAGGAAAAGGTTGAAAATATTTTCGG
 TATATTTTAAAACAAGATCATGAAACCTTGAAGAAGAAAATCAAGCGAATGAAGAAGTCTGTGAAAAAAT
 ACACTATTGTAATCCAGGTGTTACACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001277959
- Insert Size:** 1362 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_001277959.1](#), [NP_001264888.1](#)

RefSeq Size: 2398 bp

RefSeq ORF: 1362 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 (2) differs in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same isoform (1).