

Product datasheet for **RN211356**

Taf1a (NM_001037204) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taf1a (NM_001037204) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Taf1a
Synonyms:	MGC125031
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN211356 representing NM_001037204
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGAGTGACTTCAGTGAAGAACTGACAAAGCTTGCTGGGGCTGAGGATAACCCAGAAACGTCAGAGT
 TCTCTAAGACAAGAATGCATTTCCCATGGCTTCAGAAGCATATAGAAGCAGTGGTACTGGAGGGAAGAA
 GAGGAAGGATTTTCTCAGACGACAAGTCTTGTCTAAGCTTCCTCAAGAAGCCCTGCTGAAGCACAG
 TGGTGTGAGCTGCGGAGTACATGCACAGTTACCTGCAGACCCTGGAAGACTCAGACACCTACAGGAAAC
 AGGCTGCCCTGAGATCATTGGAAAGCTTGAAGTGAATTTCTATTTACCACCCAAAAGCAACGTTGGA
 GACTTTTAGTAGCTTCGCTGACCGGATGAAAAATATTGGTGTCTTGAATTATTTAAAGATCTCCTTACAA
 CATGCGTTGTATCTTTACATCATGGGATGCTTGAAGATGCAAACAGGAATCTAAGTGAGGCAGAGACGT
 GGAGATACGGTAAAAGTCGGCTTCTCAGGAAGTGTAAATTAAGCTTGTTCAGGCCTACAAAGCCCTCTT
 ACAGCACTACTCTTGGTCCAAGAAGAAGATGGAGTTGTCAGAGCTCGATGAGGATGATTATGCTTACACT
 GCAAAATCCCGGAACATGCTCAGCCAGAGCAGCAAGACGCTACAAACATCTGTACGCTGATTAACCC
 CTGGGGTTTGGGATCCTTTTGTGAAGAGCTATGTGGAGATGCTGGAGTTCTATGGTGACCAAGATGGAGC
 CCGAGAGCTGCTCACCAATTATGCATATGATGAGAAGTCCCCTCAAACCCCAATGCCACGCTACTTAA
 TACGAGTTTCTCAAGAGAGAGAAGGCGCAAGGGCGAAGCTCATAAGTGTCTTAAGATTTTACATGAGA
 TTGTGCCATCCCATTCACTAATGTTAGAATCCATACGCTGCTTAGAAAGTCAGAGACAGAAGAACCAGC
 GAAACTGGGCTTGGCCGTGTTATTTGAAGTCTAGACTTCTCTGGATGACTAAGAACATAACGGCTTGG
 AAATACTTGGCAAAGTATCTGAAGCAGACGTTAATGGAAGCCATCGTGAGTGGGTTGAAGAAGAGTGA
 AGTCCAGGAGAACTGGTGGCCAGCCTTCACTTCAGCTTCTTTTGGGCAAAGAGTGAAGGAGGAGCAGA
 CGCTGAGCTGGCTTGTGAAAAGGCTTTTGTAGCTGGAATCCTTTTAGGGAAAGGTTGTAGATACTTTCGG
 TATATTTTAAAACAAGATCATGAAACCTTGAAAAAGAAAATCAAGCGGATGAAGAAGTCTGTGAAAAAAT
 ATACTATTGTAATCCAGGCGTTCACAC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001037204
- 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).
- 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_001037204.1](#), [NP_001032281.1](#)

RefSeq Size: 1534 bp

RefSeq ORF: 1362 bp

Locus ID: 360893

UniProt ID: [Q3B7U2](#)

Cytogenetics: 13q26

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]