

Product datasheet for **RN216956**

Taf1b (NM_001191107) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taf1b (NM_001191107) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Taf1b
Synonyms:	TAFI63
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN216956 representing NM_001191107
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACGTGGAGCAGATGAAAGCATTACAGACCCTGTTCTCAGTGCGCCGCTGTCTCCTGGGCCTTA
 CTGATGAAGGCAATACTATTGTACCTCCTGCCACAATGTCACAGATCGATCCGAGGAAGTCGTGAGCAC
 TGCAAGTTATCCCTAACACCAAGATCAACTCCATTAGCAGGGGCTGAGACAGAGAAGCAAGCATGAGAAA
 GGCTGGGATTGGTACGTGTGTGAAGGCTTCCAGTGCATACTTTATCACCAGCAGAAGCCCTGGAGACCC
 TCGGAGTAAGCCAGAACTAAAGAATGAAGTCTTGACAGTTTTTGAAGCGCTACCTTCAGAAGAGCAA
 GCAGGCCATTGTAACCAAGCAGTTCGCACAAGTGAAGGAAAGCAAGGTATTAGAAGACAATCTGCAG
 TCCTCTGACTGGGCAGTGATTTGAGTTGCTCAGTGACACCACATGTCTCCTGAAAGTGGAGCAGAGT
 TCCAGTCTGACTCCAGACTCCAAGCCTTTCCCTGCCACCAACGATCATCAAAGTCAAGTCCGCTCTG
 TTCTGGATCTGTTGATGGAGTGGAGTACTCAGAGCGGAAGGAGAAGGGGCTCCTGAAGATGACTGTGCC
 AGGACACTTGCCCTCTGCTATCTGTCTTGGCTCTGGCAGAGAGAAACAATTACACTTTCAGACCTTTTGA
 GGTTTGTGAAGAGGACCGTATTCCATACATAAATGCTTTTAAAGTTTTTCCAGAGGAGATGAAAGTATA
 TGGTCGTGACAAAGGCATCTTTGCTGTCGAGTCTTGGCCTGACTATGAAGACATCTATAAAACATGATT
 GAAGTCGCGGTGTTTTAGATTTGCCTCGTTCCAGACATAACTGAAGACTGCTACCTCCATCCCAACA
 CCTTGTGTATGAAATACTTACTGGAGGTCAATCCTCCTGAGGAAATGTACACTTTAACCTGCCAAGTAGT
 AAAGCTGACTGGAATTGGAGAAGTAGATTTCTGACGTTTGACCCATAGCTAAAATGACAAGGACAGTC
 AAACATGATGTGACAGGCTGTGGCTGTATCGTGTGTTGAGTGTGTTGAGTGTGTTTCTGCTGGATGACAAGC
 TGGAAATGGTCTTACTCAGATCTTGTGAAGCATATAACGAAGACACAAAGAAGAACTCCGCAAGTTTGA
 TTTCAGAAAATGGTACCAAGTTATGAAGAAAACCTTTTGTGAGAAAAGACGAAAATGGGAAGAAGCAAGG
 GCCAAGTATGTTTGGAAAACCAAAAGGCCACTCTACCGTTCACACATTGATAAGTCAAGTCCGATATAAGA
 GAAGAGAAATGGTGGAGAATCTTCAGAAACAGTTTGTGTCCTGATTGGTTCAGCACCCGAGGTGGAAAAG
 GCAGGCCCTTCAAGTTTTCAGCTCAACTGGACTGGAGAAGACCCGGTAGCCCTTGTTCATGGACAC
 AGCCTCCAGGGGCTCCTGATATCGAAAGGCCAGGCCTTGATAACCAAGAACTCCCTGTACTGGCTCAGTA
 CCCACAAGTTCTGTAAGGCTATTGTAACATGTGACAACCTACGAAGAATCAAATTTTTCTTTGAGTTA
 CCAGTTTATACTAAACATTTTCTCTTCTTACTGAGAATAAAGACCTCTGCTCTCCATGAAGAAGTGAAGC
 CTACTTGAAGAAGAACTTTTGAAGAAAAGTACAATGAATCAAAAAGGAGCTCAAGATCCAAGAAAGTGA
 GAAGACAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001191107
- Insert Size:** 1761 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:	<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:	NM_001191107.1 , NP_001178036.1
RefSeq Size:	1962 bp
RefSeq ORF:	1761 bp
Locus ID:	690450
UniProt ID:	D3ZYB7
Cytogenetics:	6q16
Gene Summary:	Component of RNA polymerase I core factor complex that acts as a GTF2B/TFIIB-like factor and plays a key role in multiple steps during transcription initiation such as pre-initiation complex (PIC) assembly and postpolymerase recruitment events in polymerase I (Pol I) transcription. Binds rDNA promoters and plays a role in Pol I recruitment as a component of the SL1/TIF-IB complex and, possibly, directly through its interaction with RRN3 (By similarity). [UniProtKB/Swiss-Prot Function]