

Product datasheet for **MR207231**

Taf1a (NM_021466) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taf1a (NM_021466) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Taf1a
Synonyms:	mTAFI48; TAFI48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207231 representing NM_021466
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGAGTGATTTCGGTGAAGAGTTGACAAAGCTGGCTGTGGCAGAGGATAACCCAGAAACGTCGGTGCTCTCTAAAACGGGAATGCATTTCCCATGGCTTCAACAAGCACGTTGAAGCTGTAGTACTGGAGGGAAGAA
 GAGGAAGGATTTTCTCAGACGACAAGTCTTGTAAAGCTTTATCCAGGAAGCCCTGCTGAAGCACCGAG
 TGGCAGCAAGCTGCAGAGTATATGCACAGTTACCTGCAGACCCTGGAGGACTCAGACACCGACAAGAGAC
 AGGCTGCCCTGAGATCATTTGGAAGCTTGAAGTGAATTTCTATTTTACCACCCAAAAGCAATGTGGA
 GACTTTTAAATAGCTTCGCTGACCGGATGAAAAATATTGGTGTCTTGAATTATTTAAAGATCTCCTTACAA
 CACGCCTGTATCTTTACATCATGGAATGCTTGATGATGCGAACAGGAACCTGAGTAAGGCAGAGACGT
 GGAGGTATGGAGAAAAGTCGTCTTCTCAGGAAGTGTGATCAACCTTGTTCAGGCTTACAAAGGCTTCT
 GCAGTACTACACTTGGACCAGAAAGAAGATGGAGTTGTCAAAGCTTGATGAAGATGATTACGCTTACGCC
 GCCAAAACCCGAACCATGCTCAGCCAGAGCTGCAAGACGCTCTACAAATATCTGTGCACTGGTCAAAAACCC
 CCGGGGTCTGGGATCCTTTTGTGAAGAGTTATGTGGAGATGCTGGAGTCTATGGTGATCAAGATGGAGC
 CCGAGAGATGCTCACCAATTATGCATATGATGAGAAGTCCCCTCGAACCCCAACGCCACGCTACTTAA
 TACGAGTTTCTCAAGAGAGAGAAGGCACCGAGGGCGAAGCTCATAAGTGTCTTAAAGATTTTACATGAGA
 TTGTGCCATCCCATACACTAATGTTAGAATCCATACATTGCTTAGAAAAATCAGACACAGAAGAACACCA
 GAAACTGGGCTTGTCTGTGTTATTTGAAGTCTGGACTTCGCTGGATGCAATAAGAACATAACGGCTGG
 AAATACTTGGCAAAGTATCTGAAGCAGATATTAGTGGGAAGCCATCACGAGTGGGTTGAAGAAGAGTGA
 AGTCTAGGAGGAAGTGGTGGCCAGCTTTTCACTTCAGCTCTTTTGGGCGAAGAGTGAAGGAGGAGCAGA
 CACTGACTTGGCTTGTGAGAAAAGCTTTTGTGGCAGGGGTCTTTTAGGAAAAGGTTGAAAATATTTTCGG
 TATATTTTAAAACAAGATCATGAAACCTTGAAGAAGAAAATCAAGCGAATGAAGAAGTCTGTGAAAAAAT
 ACACTATTGTAATCCAGGTGTTACACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207231 representing NM_021466
 Red=Cloning site Green=Tags(s)

MMSDFGEELTKLAVAEDNPETSVLSKTMHFPWLHKHVEAVVTGGKKRKFDAQTTSACLSFIQEALLKHQ
 WQQAAEYMHSYLQTLSDTDKRQAPEIIWKLGSEILFYHPKSNVETFNFSADRMKNIGVLNLYLKISLQ
 HALYLLHHGMLDDANRNL SKAETWRYGEKSSSQEVLINLVQAYKGLLQYYTWTRKKMELSKLDEDDYAYA
 AKTRTMLSQSCKTSTNICALVKTPGVWDPFVKSYVEMLEFYGDQDGAREMLTNYAYDEKFPSPNAHVYL
 YEFKREKAPRAKLISVLKILHEIVPSHTLMLEFHTLLRKSDEEHQKLGSLVLFVLDFAFCNKNITAW
 KYLAKYLKQILVGSHEWVEEWEKSRRNWPAFHFSFFWAKSDWKADTDLACEKAFVAGVLLGKCKYFR
 YILKQDHETLKKKIKRMKKSVMKYIIVNPGVHT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9076_c08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_021466

ORF Size: 1359 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: [NM_021466.3](#), [NP_067441.1](#)

RefSeq Size: 2430 bp

RefSeq ORF: 1362 bp

Locus ID: 21339

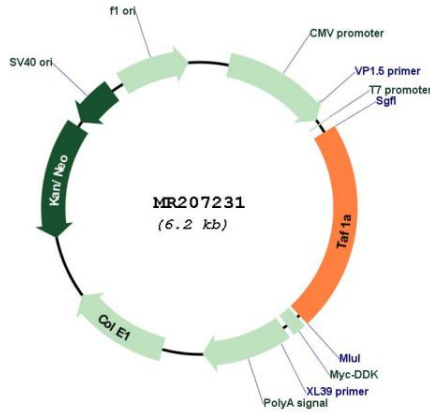
UniProt ID: [P97357](#)

Cytogenetics: 1 H5

MW: 52.7 kDa

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 MR207231