

Product datasheet for MC227717

Taf1a (NM_001277957) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Taf1a (NM_001277957) 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
Fully Sequenced ORF: >MC227717 representing NM_001277957
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGATGAGTGATTTCCGGTGAAGAGTTGACAAAGCTGGCTGTGGCAGAGGATAACCCAGAAACGTCGGTGC
 TCTCTAAAACGGGAATGCATTTCCCATGGCTTCCACAAGCACGTTGAAGCTGTAGTGACTGGAGGGAAGAA
 GAGGAAGGATTTGCTCAGACGACAAGTCTTGTAAAGCTTTATCCAGGAAGCCCTGCTGAAGCACCAG
 TGGCAGCAAGCTGCAGAGTATATGCACAGTTACCTGCAGACCCTGGAGGACTCAGACACCCACAAGAGAC
 AGGCTGCCCTGAGATCATTGGAAAGCTTGAAGTGAATTTCTATTTTACCACCCAAAAGCAATGTGGA
 GACTTTTAATAGCTTCGCTGACCGGATGAAAAATATTGGTGTCTTGAATTATTTAAAGATCTCCTTACAA
 CACGCCTTGATCTTTTACATCATGGAATGCTTGATGATGCGAACAGGAACCTGAGTAAGGCAGAGACGT
 GGAGGTATGGAGAAAAGTCGTCTTCTCAGGAAGTGTGATCAACCTTGTTCAGGCTTACAAAGGGCTTCT
 GCAGTACTACACTTGGACCAGAAAAGATGGAGTTGTCAAAGCTTGAAGATGATTACGCTTACGCC
 GCCAAAACCCGAACCATGCTCAGCCAGAGCTGCAAGACGCTACAAATATCTGTGCACTGGTCAAACCC
 CCGGGTCTGGGATCCTTTTGTGAAGAGTTATGTGGAGATGCTGGAGTTCTATGGTGATCAAGATGGAGC
 CCGAGAGATGCTACCAATTATGCATATGATGAGAAGTTCCCGTGAACCCCAACGCCACGTCTACTTA
 TACGAGTTTCTCAAGAGAGAGAAGGCACCGAGGCGAAGCTCATAAGTGTCTTAAAGATTTTACATGAGA
 TTGTGCCATCCCATACACTAATGTTAGAAATCCATACATTGCTTAGAAAAATCAGACACAGAAGAACACCA
 GAAACTGGGCTTGTCTGTGTTATTTGAAGTCTGGACTTCGCTGGATGCAATAAGAACATAACGGCTGG
 AAATACTTGGCAAAGTATCTGAAGCAGATATTAGTGGGAAGCCATCACGAGTGGTTGAAGAAGAGTGGA
 AGTCTAGGAGGAAGTGGTGGCCAGCTTTTCACTTCAGCTTCTTTTGGCGAAGAGTGACTGGAAGGCAGA
 CACTGACTTGGCTTGTGTAATATTTTCGGTATATTTTAAAACAAGATCATGAAACCTTGAAGAAGAAA
 ATCAAGCGAATGAAGAAGTCTGTGAAAAATACACTATTGTAATCCAGGTGTTACACCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001277957
Insert Size:	1323 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:	<u>NM_001277957.1</u> , <u>NP_001264886.1</u>
RefSeq Size:	2391 bp
RefSeq ORF:	1323 bp
Locus ID:	21339
UniProt ID:	<u>P97357</u>
Cytogenetics:	1 H5
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>