

Product datasheet for **MG210893**

Taf1c (NM_021441) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taf1c (NM_021441) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Taf1c
Synonyms:	mTAFI95; Tafi95
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210893 representing NM_021441
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACTTCCCTGGCACCTGCGCCCTTATTGTTTAAGGCCGGTCCACTTGGCATGACTGATGGCCCTG
 ACCTGTCCTTCATGTGCAGCTGGAGAGATGCACTGACCCTGCCAGGGTCCAGCCACAGAACTGCAAGGA
 TCCGACCTTGTCTTTGCCAAGAACCTACTGTGGGAGCCATCGACGCCAGGACCCCTCCCCCTCCTGATG
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ACCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

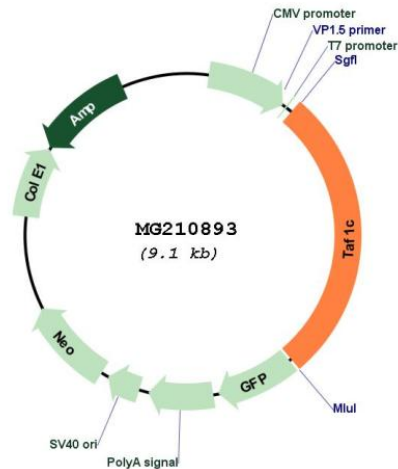
Protein Sequence: >MG210893 representing NM_021441
 Red=Cloning site Green=Tags(s)

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MDFPGTLRPSLFKAGPLGMTDGPDL SFMCSWRDAL TLPGSQPQNCKDPTLSFAKNLLWEPSTPGPLPLLM
PPDPPWDPGVTAQDFLFRGGHCYQYQSQA VLDVTEQLSRFLWDHGDIAFAPLGRMLENFRLEGNGYS
KKMTIVSAKLLQDLGGHPWGCPWASL SRRLRRF SIVGGPVL SRSVSLLMGKLLHEELAMRWEQLLMDE
AFTGGALAWLPGR TARAGQLVYPSGGALDKL YFQEVSVTSGGNPRILENPGHVQLRGPVRQVVTSTVQGE
TLLAVRSDYHCATWKIDKQGPALLQVMQVEKGATGISLSPHLSGELAI CSRS GAVCLWTPQAGLQTIYK
DTETLAFRDPSRWRWADFTAHPRVLT VGDRTGVKMVDIQGPPGCGLLLFRAGAE AACQKGERVLLAQYLG
QPGQTPPSLHLICTQFSIYLMDERLPLVPMLKWDHGLPSAPLLARLLPPASPGHPRPLLLGGQGGQLQLL
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_021441

ORF Size: 2508 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_021441.3](#)

RefSeq Size: 3255 bp

RefSeq ORF: 2511 bp

Locus ID: 21341

UniProt ID: [Q6PDZ2](#)

Cytogenetics: 8 E1

Gene Summary: Component of the transcription factor SL1/TIF-IB complex, which is involved in the assembly of the PIC (preinitiation 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. Recruits RNA polymerase I to the rRNA gene promoter via interaction with RRN3 (By similarity).[UniProtKB/Swiss-Prot Function]