

Product datasheet for MR226816

Taf9b (NM_001001176) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Taf9b (NM_001001176) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: Taf9b

Synonyms: BC066223; Taf9l

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide >MR226816 representing NM_001001176
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

ATGGAGCCGGCCAAGATGGCGCCTATCAAGAACGCTCCGAGAGATGCCTTGGTGATGGCACAGATCCTGA
AGGATATGGGAATCACAGAGTATGAGCCAAGGGTTATAAATCAAATGTTGGAATTTGCTTTCCGATATGT
GACTACAATTCTGGACGATGCAAAGATTTATTCGAGTCATGCTAAGAAACCCACTGTTGATGCCGATGAC
GTGAGACTGGCCATCCAGTGTCGGGCTGACCAGTCCTTTACCTCTCCTCCCCCAAGAGATTTTTTACTAG
ATATTGCAAGGCAGAAGAATCAAACCCCTTTGCCGCTGATTAAGCCATATGCAGGACCCAGACTGCCACC
TGATAGATACTGCTTAACAGCTCCAAACTATAGGCTGAAGTCCTTAGTTAAAAAGGGACCTAACCAAGGA
AGACTAGTGCCTAGATTAAGTGCGGTCAGTAGTAGACCAACTACTCCTCCTGTAGCACCCCCACAAGCAG
TATCTGGCCCAAATAAGGCTGCAACTCCGGTGTCAGTGACAAGCCAAAGATTTGCTGTGCAGATTCCACC
TTCTCAGTCCACACCTGCCAAGCCAGCTCCTGCAGCAACTGCAGTCCAAAATGTTCTGATTAATCCTTCA
ATGATTGGGCCCAAAAAATATTCTCATTACCACCAGCATGGTTTCCTCACAGAACACAGCCACCGACTCAA
ACCCACTGAAGAGGAAGCATGATGACGACGATGACAATGACACCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR226816 representing NM_001001176

Red=Cloning site Green=Tags(s)

MEPAKMAPIKNAPRDALVMAQILKDMGITEYEPRVINQMLEFAFRYVTTILDDAKIYSSHAKKPTVDADD VRLAIQCRADQSFTSPPPRDFLLDIARQKNQTPLPLIKPYAGPRLPPDRYCLTAPNYRLKSLVKKGPNQG RLVPRLSAVSSRPTTPPVAPPQAVSGPNKAATPVSVTSQRFAVQIPPSQSTPAKPAPAATAVQNVLINPS MIGPKNILITTSMVSSQNTATDSNPLKRKHDDDDDNDTM

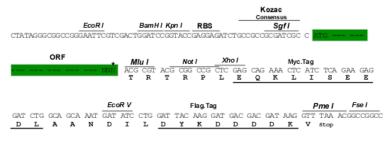
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

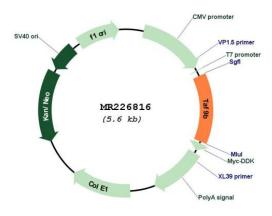
Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001001176

ORF Size: 747 bp



OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at customercom or by calling 301.340.3188 option 3 for pricing and delivery.

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. <u>More info</u>

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: <u>NM 001001176.2</u>, <u>NP 001001176.2</u>

 RefSeq Size:
 2602 bp

 RefSeq ORF:
 750 bp

 Locus ID:
 407786

 UniProt ID:
 Q6NZA9

Cytogenetics: X D

MW: 27.6 kDa

Gene Summary: Essential for cell viability. TAF9 and TAF9B are involved in transcriptional activation as well as repression of distinct but overlapping sets of genes. May have a role in gene regulation associated with apoptosis. TAFs are components of the transcription factor IID (TFIID)

complex, the TBP-free TAFII complex (TFTC), the PCAF histone acetylase complex and the STAGA transcription coactivator-HAT complex. TFIID or TFTC are essential for the regulation of RNA polymerase II-mediated transcription (By similarity).[UniProtKB/Swiss-Prot Function]