

Product datasheet for **MG226818**

Taf9b (NM_001167988) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Taf9b (NM_001167988) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Taf9b
Synonyms: BC066223; Taf9l
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG226818 representing NM_001167988
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGACCAGGAGTCGGATGCGTTTGACCAGATTGTCGAGGAGGAGTCGTCCTCGGATGAGGGGTGGA
GCCAGACCGAGGTGAAACCGCCTGCAGCTCTATCTCCGAGGTTGAGGAGCCGCAAGAGAAAATGGAGCC
GGCCAAGATGGCGCTATCAAGAACGCTCCGAGAGATGCCTTGGTGATGGCACAGATCCTGAAGGATATG
GGAATCACAGAGTATGAGCCAAGGTTATAAATCAAATGTTGGAATTTGCTTTCCGATATGTGACTACAA
TTCTGGACGATGCAAAGATTTATTCGAGTCATGCTAAGAAACCCACTGTTGATGCCGATGACGTGAGACT
GGCATTCCAGTGTCCGGCTGACCAGTCCTTTACCTCTCCTCCCAAGAGATTTTTACTAGATATTGCA
AGGCAGAAGAATCAAACCCCTTTGCCGCTGATTAAGCCATATGCAGGACCCAGACTGCCACCTGATAGAT
ACTGCTTAACAGCTCAAACCTATAGGCTGAAGTCCTTAGTTAAAAAGGGACCTAACCAAGGAAGACTAGT
GCCTAGATTAAGTGCGGTGAGTAGTACCAACTACTCCTCTGTAGCACCCCAAGCAGTATCTGGC
CCAAATAAGGCTGCAACTCCGGTGTGAGTACAAGCAAGATTTGCTGTGCAGATTCCACCTTCTCAGT
CCACACCTGCCAAGCCAGCTCCTGCAGCAACTGCAGTCCAAAATGTTCTGATTAATCCTTCAATGATTGG
GCCAAAAATATTCTCATTACCACGAGCATGGTTTCTCACAGAACACAGCCACCGACTCAAACCCACTG
AAGAGGAAGCATGATGACGACGATGACAATGACACCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG226818 representing NM_001167988
Red=Cloning site Green=Tags(s)

MADQESDAFDQIVVEEESSSDEGWSQTEVETACSSISEVEEPQEKMEPAKMAPIKNAPRDALVMAQILKDM
 GITEYEPRVINQMLEFAFRYVTTILDDAKIYSSHAKKPTVDADDVRLAIQCRADQSFTSPPPRDFLLDIA
 RQKNQTPPLLIKPYAGPRLPPDRYCLTAPNYRLKSLVKKGPNQGRLLVPRLSAVSSRPTTPPVAPPQAVSG
 PNKAATPVSVTSQRFAVQIPPSQSTPAKPAPAATAVQNVLINPSMIGPKNILITTSMVSSQNTATDSNPL
 KRKHDDDDDDNDTM

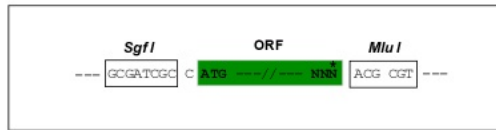
TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja3411_b05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001167988

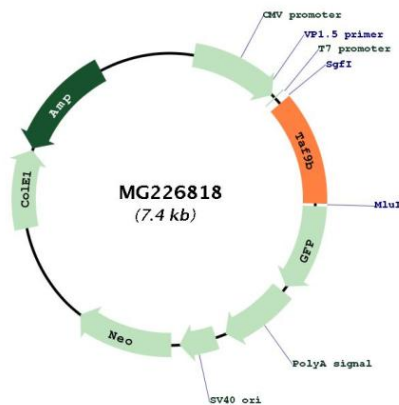
ORF Size: 879 bp

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 custsupport@origene.com 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. [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:	<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_001167988.1</u> , <u>NP_001161460.1</u>
RefSeq Size:	2540 bp
RefSeq ORF:	882 bp
Locus ID:	407786
UniProt ID:	<u>Q6NZA9</u>
Cytogenetics:	X D
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]

Product images:



Circular map for MG226818