

Product datasheet for **MG203479**

Taf9 (NM_027139) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taf9 (NM_027139) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Taf9
Synonyms:	2310012M09Rik; AA673500; AU045423; Taf2g; TAFII31; TAFII32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203479 representing NM_027139 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTCTGGCAAGATGGCGTCTCCCAAGAGCATGCCGAAAGATGCACAGATGATGGCACAATCCTGA
AGGATATGGGGATTACAGAATATGAGCCAAGAGTTATAAATCAGATGCTGGAGTTTGCCTCCGATATGT
GACCACAATTCTAGATGATGCTAAAATTTATTCCAGCCATGCTAAGAAAGCTACTGTTGATGCAGATGAC
GTACGACTGGCAATCCAGTGCCGTGCTGACCAGTCTTTCACTTCTCCGCCCCGAGAGATTTCTTGTTAG
ATATTGCACGACAAAGAAATCAAACCCCTTTGCCACTGATCAAGCCATATTCAGTCTTAGATTGCCACC
TGATAGGTATTGCTTAAGTGCACCAAACTATAGGCTTAAGTCTTTACAGAAAAAGGCACCTGCTCCTGCA
GGAAGAATAACAGTTCCAGGTTGAGTGTGGTTGAGTTTCTAGTAGACCAAGTACTCCACCCCTGGGTA
CACCGACTCCACAACCATGTCTGTTTCAACTAAAGTAGGCACCCCAATGTCCCTCACAGGACAGAGGTT
TACAGTACAGATGCCTGCTTCTCAGTCCCCTGCTGTAAGGCTTCTATACCTGCAACATCAACAGTTCAG
AATGTTCTTATTAATCCATCGTTAATTGGGTCCAAAAACATTCTTACTACTAATATGGTATCACAGA
ATACAGCCGAGTCAGCAAATGCACTGAAACGAAACGTGAAGACGATGATGATGACGATGATGACGATGA
TGATGATGACTATGATAATATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203479 representing NM_027139
Red=Cloning site Green=Tags(s)

MESGKMASPKSMPKDAQMMAQILKDMGITEYEPRVINQMLEFAFRYVTTILDDAKIYSSHAKKATVDADD
 VRLAIQCRADQSFTSPPPRDFLLDIARQRNQTPLPLIKPYSGPRLPPDRYCLTAPNYRLKSLQKKAPAPA
 GRITVPRLSVGSVSSRPSTPTLGTPTQTMSVSTKVGTPMSLTGQRFVQMPASQSPAVKASIPATSTVQ
 NVLINPSLIGSKNILITTNMVSQNTAESANALKRKRREDDDDDDDDDDDDDDDDDDYDNM

TRTRPLE - GFP Tag - V

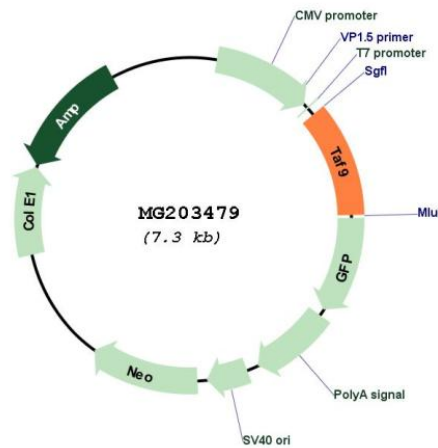
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_027139

ORF Size: 792 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:	<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:	NM_027139.3 , NP_081415.1
RefSeq Size:	1219 bp
RefSeq ORF:	795 bp
Locus ID:	108143
UniProt ID:	Q8VI33
Cytogenetics:	13 D1
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]