

## Product datasheet for MR203479

### Taf9 (NM\_027139) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Taf9 (NM_027139) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Taf9
Synonyms:	2310012M09Rik; AA673500; AU045423; Taf2g; TAFII31; TAFII32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203479 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGTCTGGCAAGATGGCGTCTCCCAAGAGCATGCCGAAAGATGCACAGATGATGGCACAATCCTGA  
AGGATATGGGGATTACAGAATATGAGCCAAGAGTTATAAATCAGATGCTGGAGTTGCCTCCGATATGT  
GACCACAATTCTAGATGATGCTAAAATTTATTCCAGCCATGCTAAGAAAGCTACTGTTGATGCAGATGAC  
GTACGACTGGCAATCCAGTGCCGTGCTGACCAGTCTTTCACTTCTCCGCCCCGAGAGATTTCTTGTTAG  
ATATTGCACGACAAAGAAATCAAACCCCTTTGCCACTGATCAAGCCATATTCAGGTCCTAGATTGCCACC  
TGATAGGTATTGCTTAAGTCCCAAACTATAGGCTTAAGTCTTTACAGAAAAAGGCACCTGCTCCTGCA  
GGAAGAATAACAGTTCAGGTTGAGTGTGGTTGAGTTCTAGTAGACCAAGTACTCCACCCCTGGGTA  
CACCGACTCCACAAACCATGTCTGTTTCAACTAAAGTAGGCACCCCAATGTCCCTCACAGGACAGAGGTT  
TACAGTACAGATGCCTGCTTCTCAGTCCCTGCTGTAAGGCTTCTATACCTGCAACATCAACAGTTCAG  
AATGTTCTTATTAATCCATCGTTAATTGGGTCCAAAAACATTCTTACTACTAATATGGTATCACAGA  
ATACAGCCGAGTCAGCAAATGCACTGAAACGAAAACGTGAAGACGATGATGATGACGATGATGACGATGA  
TGATGATGACTATGATAATATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203479 protein sequence  
Red=Cloning site Green=Tags(s)

MESGKMASPKSMPKDAQMMAQILKDMGITEYEPRVINQMLEFAFRYVTTILDDAKIYSSHAKKATVDADD  
 VRLAIQCRADQSFTSPPPRDFLLDIARQRNQTPLPLIKPYSGPRLPPDRYCLTAPNYRLKSLQKKAPAPA  
 GRITVPRLSVGSVSSRPSTPTLGTPTPQTMSVSTKVGTPMSLTGQRFVQMPASQSPAVKASIPATSTVQ  
 NVLINPSLIGSKNILITNMVSQNTAESANALKRKRREDDDDDDDDDDDDDDDDDDYDNM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_027139

**ORF Size:** 795 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\\_027139.1](#), [NM\\_027139.2](#), [NM\\_027139.3](#), [NM\\_027139.4](#), [NM\\_027139.5](#), [NP\\_081415.1](#)

**RefSeq Size:** 1240 bp

**RefSeq ORF:** 795 bp

**Locus ID:** 108143

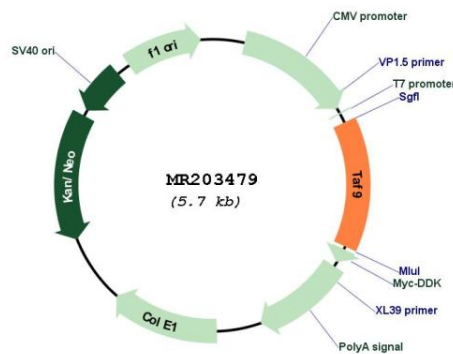
**UniProt ID:** [Q8VI33](#)

**Cytogenetics:** 13 D1

**MW:** 29 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]

### Product images:



Circular map for MR203479