

Product datasheet for **MR202464**

Taf10 (NM_020024) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taf10 (NM_020024) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Taf10
Synonyms:	30kDa; AU041226; Taf2h; TAFII30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202464 representing NM_020024 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTGCAGCGGCTCCGGCGCGGACCCCGAGGCGGCGACCGCCTGTGCCGCTCGGTGCGGGTCCGG
CACCCCTGGTGTGCGCTCCCGCTGCGCTGCCACTAGCACGGCCGCGGAGAGCAAGGCCAGCCCCGCGGG
GACAGCAGGGGGCCCGTGGCTGGAGTCGCCACTGCGGGCACGGGCCCGTGGCGGCACGGGCAGGGGAG
CCGGCAGAGCGGCGGGCCAGCTTCGGTGGCAGCGGGCGGCGGCTCCCCGGAGGGGCAATGTCTA
ACGGGGTTTACGCCCTACCGAGCGGGCAACGGAGAAGTGAAGCCCGTAGTGTCCAGCACACCTTAGT
GGACTTCTTGATGCAGTTGGAGGATTACACACCTACGATCCCAGATGCAGTGACTGGTTACTACCTGAAC
CGCGCTGGCTTTGAAGCTTCAGACCCACGCATAATTCCGGCTCATCTCACTAGCTGCCAGAAATTCATCT
CAGATATTGCCAATGATGCCCTACAGCACTGCAAATGAAGGGCACAGCCTCTGGCAGCTCCCGGAGCAA
GAGCAAGGATCGCAAGTACACCCTAACCATGGAGGACTTGACCCCTGCCCTCAGCGAGTATGGCATCAAT
GTGAAGAAGCCGCACTACTTCACC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202464 representing NM_020024
 Red=Cloning site Green=Tags(s)

MSCSGSGADPEAATAACAASVAGPAPLVSAPAALPTSTAAESKASPAGTAGGPVAGVATAGTGPVAARAGE
 PAERRGPASVAAGGAAPPEGAMSNVYALPSAANGEVKPVVSSTPLVDFLMQLEDYTPPTIPDAVTGYLLN
 RAGFEASDPRIIRLISLAAQKFI SDIANDALQHCKMKGTASGSSRSKSKDRKYTLTMEDLTPALSEYGIN
 VKKPHYFT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9089_e10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_020024

ORF Size: 654 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_020024.3](#), [NP_064408.2](#)

RefSeq Size: 787 bp

RefSeq ORF: 657 bp

Locus ID: 24075

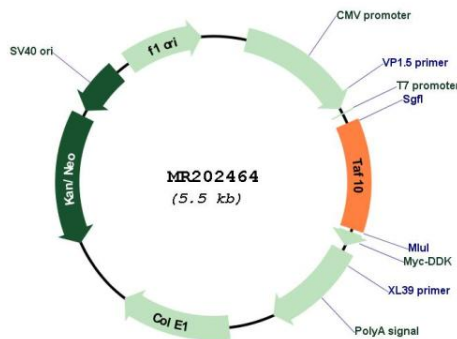
UniProt ID: [Q8K0H5](#)

Cytogenetics: 7 E3

MW: 21.8 kDa

Gene Summary: TAFs are components of the transcription factor IID (TFIID) complex, PCAF histone acetylase complex and TBP-free TAFII complex (TFTC). TIIFD is a multimeric protein complex that plays a central role in mediating promoter responses to various activators and repressors. May regulate cyclin E expression.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202464