

Product datasheet for **RN216192**

Taf9 (NM_184048) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Taf9 (NM_184048) Rat Untagged Clone
Tag: Tag Free
Symbol: Taf9
Synonyms: CINAP; TAFII31; TAFII32
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216192 representing NM_184048
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGAGTCTGGCAAGATGGCGTCTCCAAGAGCATGCCGAAAGACGCACAGATGATGGCACAATCCTGA
AGGATATGGGGATTACAGAGTATGAGCCAAGAGTTATAAATCAGATGCTGGAGTTGCCTCCGATATGT
GACCACAATTCTAGATGATGCTAAAATTTATCAAGCCATGCTAAGAAACCTACTGTTGATGCAGATGAT
GTCCGATTGGCAATCCAGTGCCGTGCTGACCAGTCTTTCACCTTCTCTCCCCGAGAGATTTTTTATTAG
ATATTGCAAGGCAAGAAATCAAACCCCTTTGCCATTGATCAAGCCATATTCAGGTCCTAGATTGCCACC
TGATAGATACTGCTTAAGTCTCAAACTATAGGCTTAAGTCTTTACAAAAAAGGCACCTACTCCTGCA
GGAAGAATAACGGTTCCAAGGTTAAGTGTGGTTCAGTTCTAGTAGACCTAGTACTCCACACTAGGCA
CACCAACTCCACAAGCCATGTCTGTGCAACTAAAGTAGGCATCCAATGTCCCTCACAGGGCAGAGGTT
TACAGTACAGATGCCTGCTTCTCAGTCCCTGCTGTAAGGCTCCATTCTGCAACACCAGCAGTTCAG
AATGTTCTTATTAATCCATCATTAAATGGGTCCAAAAACATTCTTACTACTAATATGGTGTACAAA
ATACAGCCAATGAGTCGGCAAACGCACCTAAAAGAAAACGTGAAGAAGAAGATGATGACGATGATGATGA
TGATGATGACTATGATAATTT**GTA**A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_184048
Insert Size: 795 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_184048.2, NP_908937.2</u>
RefSeq Size:	1224 bp
RefSeq ORF:	795 bp
Locus ID:	373541
UniProt ID:	<u>Q5BKE0</u>
Cytogenetics:	2q12
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] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 3. Both variants 2 and 3 encode the same protein.