

## Product datasheet for **RN200041**

### Taf9 (NM\_001037310) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Taf9 (NM\_001037310) 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:** >RN200041 representing NM\_001037310  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGTCTGGCAAGATGGCGTCTCCAAGAGCATGCCGAAAGACGCACAGATGATGGCACAATCCTGA  
 AGGATATGGGGATTACAGAGTATGAGCCAAGAGTTATAAATCAGATGCTGGAGTTTGCCTCCGATATGT  
 GACCACAATTCTAGATGATGCTAAAATTTATTCAAGCCATGCTAAGAAACCTACTGTTGATGCAGATGAT  
 GTCCGATTGGCAATCCAGTGCCGTGCTGACCAGTCTTTCACCTTCTCTCCCCGAGAGATTTTTTATTAG  
 ATATTGCAAGGCAAGAAATCAAACCCCTTTGCCATTGATCAAGCCATATTCAGGTCCTAGATTGCCACC  
 TGATAGATACTGCTTAAGTCTCAAACTATAGGCTTAAGTCTTTACAAAAAAGGCACCTACTCCTGCA  
 GGAAGAATAACGGTTCCAAGGTTAAGTGTGGTTCAGTTTCTAGTAGACCTAGTACTCCACACTAGGCA  
 CACCACTCCACAAGCCATGCTGTGTCAACTAAAGTAGGCATCCAATGTCCCTCACAGGGCAGAGGTT  
 TACAGTACAGATGCCTGCTTCTCAGTCCCTGCTGTAAGGCTCCATTCTGCAACACCAGCAGTTCAG  
 AATGTTCTTATTAATCCATCATTAAATGGGTCCAAAAACATTCTTACTACTAATATGGTGTCAAAA  
 ATACAGCCAATGAGTCGGCAAACGCACCTAAAAGAAAACGTGAAGAAGAAGATGATGACGATGATGATGA  
 TGATGATGACTATGATAATTT**GTA**A

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001037310  
**Insert Size:** 795 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001037310.1</a></u> , <u><a href="#">NP_001032387.1</a></u>
<b>RefSeq Size:</b>	1703 bp
<b>RefSeq ORF:</b>	795 bp
<b>Locus ID:</b>	373541
<b>UniProt ID:</b>	<u><a href="#">Q5BKE0</a></u>
<b>Cytogenetics:</b>	2q12
<b>Gene Summary:</b>	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 (3) represents the longer transcript. Both variants 2 and 3 encode the same protein.