

Product datasheet for **RR216192**

Taf9 (NM_184048) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taf9 (NM_184048) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Taf9
Synonyms:	CINAP; TAFII31; TAFII32
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216192 representing NM_184048 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGTCTGGCAAGATGGCGTCTCCAAGAGCATGCCGAAAGACGCACAGATGATGGCACAATCCTGA
AGGATATGGGGATTACAGAGTATGAGCCAAGAGTTATAAATCAGATGCTGGAGTTTGCCTCCGATATGT
GACCACAATTCTAGATGATGCTAAAATTTATTCAGCCATGCTAAGAAACCTACTGTTGATGCAGATGAT
GTCCGATTGGCAATCCAGTGCCGTGCTGACCAGTCTTTCACCTTCTCTCCCCGAGAGATTTTTTATTAG
ATATTGCAAGGCAAGAAATCAAACCCCTTTGCCATTGATCAAGCCATATTCAGGTCCTAGATTGCCACC
TGATAGATACTGCTTAACTGCTCCTCAACTATAGGCTTAAGTCTTTACAAAAAAGGCACCTACTCCTGCA
GGAAGAATAACGGTTCCAAGGTTAAGTGTGGTTTCAGTTTCTAGTAGACCTAGTACTCCACACTAGGCA
CACCACTCCACAAGCCATGTCTGTGCTCAACTAAAGTAGGCACCTCAATGTCCCTCACAGGGCAGAGGTT
TACAGTACAGATGCCTGCTTCTCAGTCCCTGCTGTAAGGCTCCATTCTGCAACACCAGCAGTTCAG
AATGTTCTTATTAATCCATCATTAATTGGGTCCAAAAACATTCTTACTACTAATATGGTGTACAAA
ATACAGCCAATGAGTCGGCAAACGCACTCAAAGAAAACGTGAAGAAGAAGATGATGACGATGATGATGA
TGATGATGACTATGATAATTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216192 representing NM_184048
 Red=Cloning site Green=Tags(s)

MESGKMASPKSMPKDAQMMAQILKDMGITEYEPRVINQMLEFAFRYVTTILDDAKIYSSHAKKPTVDADD
 VRLAIQCRADQSFTSPPPRDFLLDIARQRNQTPLPLIKPYSGPRLPPDRYCLTAPNYRLKSLQKKAPTPA
 GRITVPRLSVGSVSSRPSTPTLGTPTQAMSVSTKVGTPMSLTGQRFVQMPASQSPAVKASIPATPAVQ
 NVLINPSLIGSKNILITNMVSQNTANESANALKRKRREEEDDDDDDDDDDDYDNL

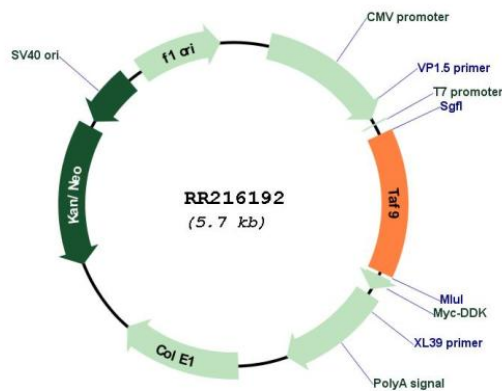
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_184048
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_184048.2 , NP_908937.2
RefSeq Size:	1224 bp
RefSeq ORF:	795 bp
Locus ID:	373541
UniProt ID:	Q5BKE0
Cytogenetics:	2q12
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]