

Product datasheet for RC217413

TAF9B (NM_015975) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF9B (NM_015975) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TAF9B
Synonyms:	DN-7; DN7; TAF9L; TAFII31L; TFIID-31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217413 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTCGGGCAAGATGGCGCCTCCCAAGAACGCTCCGAGAGATGCCTTGGTGATGGCACAGATCCTGA
AGGATATGGGAATCACAGAGTATGAACCAAGGGTTATAAATCAAATGTTGGAATTTGCTTCCGTTATGT
GACTACAATTCTGGATGATGCAAAAATTTATTCGAGCCATGCTAAGAAACCTAATGTTGATGCAGATGAT
GTGAGACTGGCAATCCAGTGTCTGTGCTGACCAATCTTTTACCTCTCTCCCAAGAGATTTTTACTGG
ATATCGCAAGGCAGAAAAATCAAACCCCTTTGCCACTGATTAAGCCATATGCAGGACCTAGACTGCCACC
TGATAGATACTGCTTAACAGCTCCAAACCTATAGGCTGAAGTCCTTAATTAAGGGACCTAACCAAGGG
AGACTAGTTCCACGATTAAGTGTGGTGTCTGTTAGTAGCAAACCTACTACTCTACTATAGCAACCCAC
AAACGGTGTCTGTCCCAATAAAGTTGCAACTCCAATGTCAGTGACAAGCCAAAGATTTACGGTGCAGAT
TCCACCTTCTCAGTCCACACCTGTCAAACAGTTCCTGCAACACTGCAGTTCAAATGTTCTGATTAAT
CCTTCAATGATTGGGCCAAAAATATTCTTATTACCACCAACATGGTTTCGTACAGAACACAGCCAATG
AAGCAAACCCACTGAAGAGAAAACATGAAGATGATGATGACAATGATATTATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC217413 protein sequence
 Red=Cloning site Green=Tags(s)

MESGKMAPPKNAPRDALVMAQILKDMGITEYEPRVINQMLEFAFRYVTTILDDAKIYSSHAKKPNVDADD
 VRLAIQCRADQSFTSPPPRDFLLDIARQKNQTPPLPIKPYAGPRLPPDRYCLTAPNYRLKSLIKKGPNQG
 RLVPRLSVGAVSSKPTTPTIATPQTVSVPNKVATPMSVTSQRFVQIPPSQSTPVKVPATTAVQNVLIN
 PSMIGPKNILITTNMVSSQNTANEANPLKRKHEDDDDDNDIM

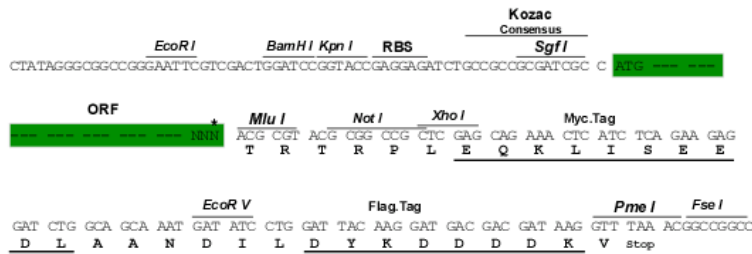
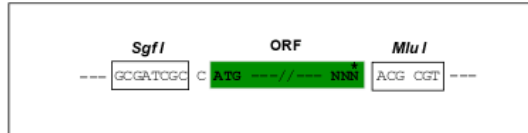
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6436_f06.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_015975

ORF Size: 753 bp

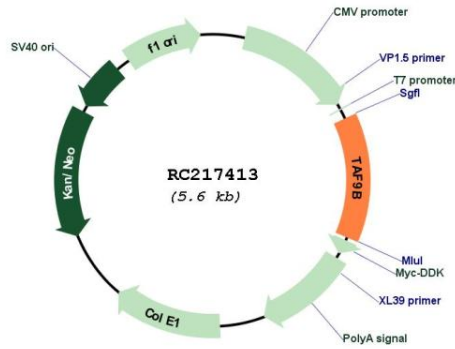
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

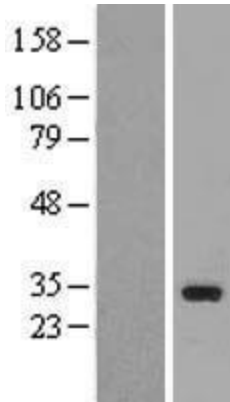
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_015975.5
RefSeq Size:	2714 bp
RefSeq ORF:	756 bp
Locus ID:	51616
UniProt ID:	Q9HBM6
Cytogenetics:	Xq21.1
Domains:	TFIID-31
Protein Families:	Transcription Factors
Protein Pathways:	Basal transcription factors
MW:	27.6 kDa
Gene Summary:	<p>Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is transcription factor IID (TFIID), which binds to the core promoter to position the polymerase properly, serves as the scaffold for assembly of the remainder of the transcription complex, and acts as a channel for regulatory signals. TFIID is composed of the TATA-binding protein (TBP) and a group of evolutionarily conserved proteins known as TBP-associated factors or TAFs. TAFs may participate in basal transcription, serve as coactivators, function in promoter recognition or modify general transcription factors (GTFs) to facilitate complex assembly and transcription initiation. This gene encodes a protein that is similar to one of the small subunits of TFIID, TBP-associated factor 9, and is also a subunit of TFIID. TAF9 and TAF9b share some functions but also have distinct roles in the transcriptional regulatory process. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for RC217413



Western blot validation of overexpression lysate (Cat# [LY414266]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217413 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).