

Product datasheet for **RC203466**

TAF11 (NM_005643) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF11 (NM_005643) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TAF11
Synonyms:	MGC:15243; PRO2134; TAF2I; TAFII28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203466 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGATGCCCACGAGTCGCCCTCCGACAAAGGTGGAGAGACAGGGGAGTCGGATGAGACGGCCGCTG
TGCCCGGGGACCCGGGGCTACCGACACCGATGGAATCCAGAGGAACTGACGGAGACGCAGATGTGGA
CTTGAAAGAAGCTGCAGCGGAGGAAGGCGAGCTCGAGAGTCAGGATGTCTCAGATTTAACACAGTTGAA
AGGGAAGACTCATCATTACTTAATCCTGCAGCCAAAAAAGTAAAATAGATACCAAGAAAAAGAGAGA
AAAAGCAGAAAGTAGATGAAGATGAGATTCAGAAGATGCAAACTCTGGTTTCTTCTTTTCTGAGGAGCA
GCTGAACCGTTATGAAATGTATCGCCGCTCAGCTTTCCCTAAGGCAGCCATCAAAAGGCTGATCCAGTCC
ATCACTGGCACCTCTGTGTCTCAGAATGTTGTTATTGCTATGTCTGGTATTTCCAAGGTTTTCTGCGGGG
AGGTGGTAGAAGAAGCACTGGATGTGTGTGAGAAGTGGGGAGAAATGCCACCACTACAACCCAAACATAT
GAGGGAAGCCGTTAGAAGGTTAAAGTAAAAGGACAGATCCCTAACTCGAAGCACAAAAAATCATCTTC
TTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC203466 protein sequence
 Red=Cloning site Green=Tags(s)

MDDAHESPSDKGGETGESDETAAPVPGDPGATDTDGIPEETDGDADVDLKEAAEEGELESQDVSDLTITVE
 REDSSLLNPAAKKLKIDTKEKKEKKQKQVDEDEIQKMQILVSSFSEEQLNRYEMYRRSAFPKAAIKRLIQS
 ITGTSVSQNVVIAMSGISKVFVGEVVEEALDVCEKWGEMPPLQPKHMRVAVRRLKSKGQIPNSKHKKIIF
 F

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6424_b05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005643

ORF Size: 633 bp

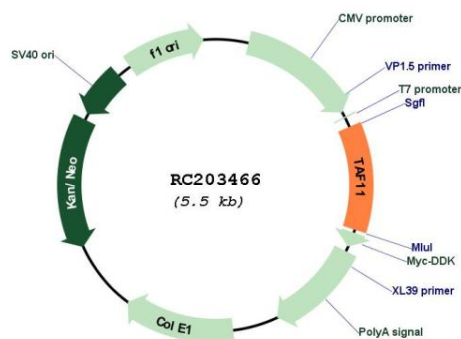
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially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

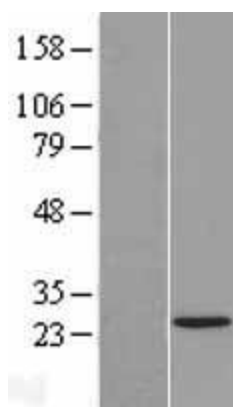
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_005643.4</u>
RefSeq Size:	1587 bp
RefSeq ORF:	636 bp
Locus ID:	6882
UniProt ID:	<u>Q15544</u>
Cytogenetics:	6p21.31
Domains:	TAFII28
Protein Families:	Transcription Factors
Protein Pathways:	Basal transcription factors
MW:	23.3 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 small subunit of TFIID that is present in all TFIID complexes and interacts with TBP. This subunit also interacts with another small subunit, TAF13, to form a heterodimer with a structure similar to the histone core structure. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2012]</p>

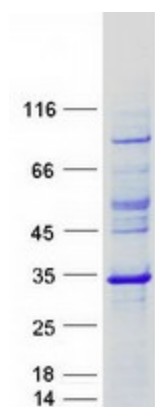
Product images:



Circular map for RC203466



Western blot validation of overexpression lysate (Cat# [LY417174]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203466 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TAF11 protein (Cat# [TP303466]). The protein was produced from HEK293T cells transfected with TAF11 cDNA clone (Cat# RC203466) using MegaTran 2.0 (Cat# [TT210002]).