

Product datasheet for **RC204138**

TAF10 (NM_006284) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF10 (NM_006284) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TAF10
Synonyms:	TAF2A; TAF2H; TAFII30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC204138 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTGCAGCGGCTCCGGCGCGGACCCGAGGCGGCGCCGGCCTCCGCCGCTCGGCCCGGGCCCCG
CGCCCCGGTCTCGGCTCCCGCCGCGTGCCTCCAGCACCGCCGCGGAGAACAAGGCCAGCCCCGCGGG
GACAGCGGGGGACCTGGGGCTGGAGCAGCTGCTGGGGGACGGGACCTTGGCGCGCGGGCCGGGAG
CCAGCTGAGCGGCGTGGGGCGGCTCCGGTGTGCGCGGGTGGCGCGGCCCCCGAGGGGGCCATATCTA
ACGGGGTTTACGTACTGCCGAGCGGCAACGGAGACGTGAAGCCCGTGGTGTCCAGCACGCCTTGGT
GGACTTCTTGATGCAGCTGGAAGATTACAGCCTACGATCCCAGATGCAGTGACTGGTTACTACCTGAAC
CGTGCTGGCTTTGAGGCCTCAGACCCACGCATAATTCCGGCTCATCTCCTTAGCTGCCAGAAATTCATCT
CAGATATTGCCAATGATGCCCTACAGCACTGCAAATGAAGGGCACGGCCTCCGGCAGCTCCCGGAGCAA
GAGCAAGGACCGCAAGTACACTTAACCATGGAGGACTTGACCCCTGCCCTCAGCGAGTATGGCATCAAT
GTGAAGAAGCCGCACTACTTCACC

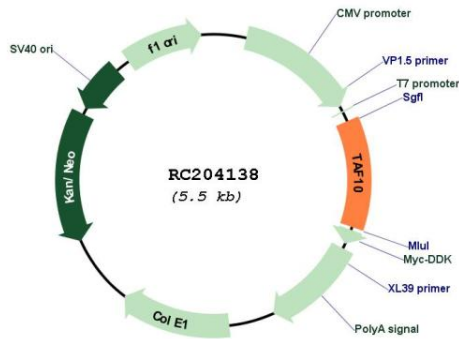
ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



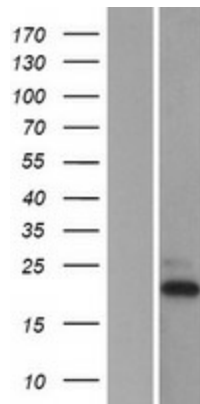
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Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex 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_006284.4
RefSeq Size:	834 bp
RefSeq ORF:	657 bp
Locus ID:	6881
UniProt ID:	Q12962
Cytogenetics:	11p15.4
Domains:	TFIID_30kD
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Basal transcription factors
MW:	21.7 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 one of the small subunits of TFIID that is associated with a subset of TFIID complexes. Studies with human and mammalian cells have shown that this subunit is required for transcriptional activation by the estrogen receptor, for progression through the cell cycle, and may also be required for certain cellular differentiation programs. [provided by RefSeq, Jul 2008]</p>

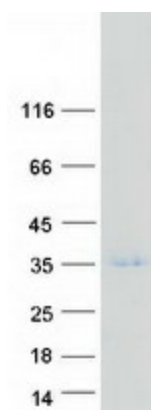
Product images:



Circular map for RC204138



Western blot validation of overexpression lysate (Cat# [LY416752]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204138 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TAF10 protein (Cat# [TP304138]). The protein was produced from HEK293T cells transfected with TAF10 cDNA clone (Cat# RC204138) using MegaTran 2.0 (Cat# [TT210002]).