

Product datasheet for RC212721

TAF13 (NM_005645) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TAF13 (NM_005645) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TAF13
Synonyms: MRT60; TAF(II)18; TAF2K; TAFII-18; TAFII18
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC212721 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGATGAGGAAGAAGACCCACGTTTGAGGAAGAAAATGAAGAAATTGGAGGAGGTGCAGAAGGTG
 GACAGGGTAAAAGAAAGAGACTTTTTCTAAAGAATTGCGATGTATGATGTATGGCTTTGGGGATGACCA
 GAATCCTTATACTGAGTCAGTGGATATTCTTGAAGATCTTGTCATAGAGTTTACTACTGAAATGACTCAC
 AAGGCAATGTCAATTGGAAGACAAGGTCGAGTACAAGTTGAAGATATCGTCTTCTTGATTCGAAAGGACC
 CAAGGAAGTTTGCCAGGGTTAAAGACTTGCTTACTATGAATGAAGAATTGAAACGAGCTAGAAAAGCATT
 TGATGAAGCAAATTATGGATCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC212721 protein sequence
 Red=Cloning site Green=Tags(s)
 MADEEEDPTFEEENEEIGGGAEGGQGKRKRLFSKELRCMMYGFDDQNPYTESVDILEDLVIEFITEMTH
 KAMSIGRQGRVQVEDIVFLIRKDPKRFARVKDLLTMNEELKRARKAFDEANYGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6441_g12.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_005645

ORF Size: 372 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:

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_005645.4](#)

RefSeq Size: 577 bp

RefSeq ORF: 375 bp

Locus ID: 6884

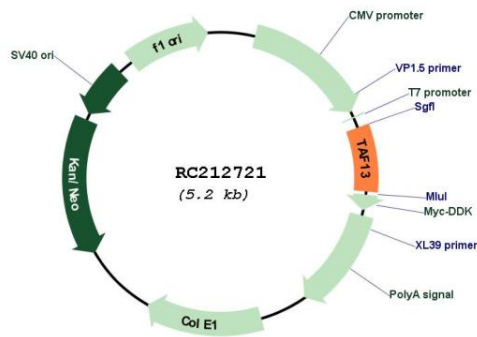
UniProt ID: [Q15543](#)

Cytogenetics: 1p13.3
Protein Families: Transcription Factors
Protein Pathways: Basal transcription factors

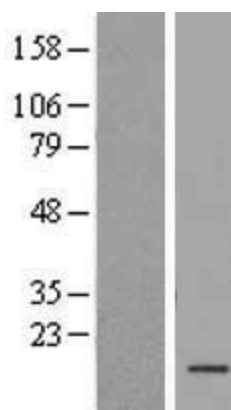
MW: 14.3 kDa

Gene Summary: 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 associated with a subset of TFIID complexes. This subunit interacts with TBP and with two other small subunits of TFIID, TAF10 and TAF11. There is a pseudogene located on chromosome 6. [provided by RefSeq, Jul 2008]

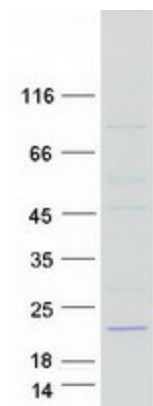
Product images:



Circular map for RC212721



Western blot validation of overexpression lysate (Cat# [LY417176]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212721 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TAF13 protein (Cat# [TP312721]). The protein was produced from HEK293T cells transfected with TAF13 cDNA clone (Cat# RC212721) using MegaTran 2.0 (Cat# [TT210002]).