

Product datasheet for RC224879

TAF8 (NM_138572) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TAF8 (NM_138572) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TAF8
Synonyms: II; TAF; TAF(II)43; TAFII-43; TAFII43; TBN
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC224879 representing NM_138572
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGACGCGGCCACAGCTGGGGCCGGTGGCTCCGGAACGAGATCGGGAAGTAAACAGTCCACTA
 ACCCTGCCGATAACTATCATCTGGCCCGGAGGAGAACCCTGCAGGTGGTTGTGAGCTCCTTGCTGACAGA
 GGCAGGGTTTGAGAGTGCCGAGAAAGCATCCGTGGAAACGCTGACAGAGATGCTGCAGAGCTACATTTCA
 GAAATGGGAGAAGTGCCAAGTCTTACTGTGAGCACACAGCCAGGACCCAGCCACACTGTCCGATATCG
 TGGTCACACTTGTGAGATGGGTTTCAATGTGGACACTCTCCCTGCTTATGCAAAACGGTCTCAGAGGAT
 GGTCACTACTGCTCCTCCGGTGACCAATCAGCCAGTGACCCCAAGGCCCTCACTGCAGGGCAGAACCGA
 CCCCACCCGCGCACATCCCCAGCCATTTTCTGAGTTCCCTGATCCCCACACCTACATCAAAACTCCGA
 CGTACCGTGAGCCCGTGTGAGTACCAGGTCCTGCGGGAGAAGGCTGCATCCCAGAGGCGCGATGTGGA
 GCGGGCACTTACCCGTTTCATGGCCAAGACAGGCGGAGACTCAGAGTCTTTTCAAAGATGACGTCAGCACA
 TTTCCATTGATTGCTGCCAGACCTTTCACCATCCCCTACCTGACAGCTCTTCTCCGTCTGAACTGGAGA
 TGCAACAAATGGAAGAGACAGATTCTCGGAGCAGGATGAACAGACAGACACAGAGAACCCTTGCTCTTCA
 TATCAGCATGGAGATTCTGGAGCCGAGAAGGAGAACCCTCTGTCTGCAGCAGAACCCCTCCTGTGCG
 GGTAGCCGGAATGGGAGGAGAACATCATCGATAACCCTTATCTGCGGCCGGTGAAGAAGCCCAAGATCC
 GCAGGAAGAAGTCCCTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC224879 representing NM_138572
Red=Cloning site Green=Tags(s)

MADAAATAGAGGSGTRSGSKQSTNPADNYHLARRRTLQVVVSSLLTEAGFESA EKASVETLTEMLQSYIS
 EIGRS AKSYCEHTARTQPTLSDIVVTLVEMGFNVDLTPAYAKRSQRMVITAPPVTNQPVTPKALTAGQNR
 PHPPHIPSHFPEFPDPHTYIKTPTYREPVS DYQVLRKAASQRRDVERALTRFMAKTGETQSLFKDDVST
 FPLIAARPFTIPYLTALLPSELEMQQMEETDSSEQDEQDTENLALHISMEDSGAEKENTSVLQQNPSLS
 GSRNGEENIIDNPYL RPKKPKIRKKSL S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8044_e04.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_138572

ORF Size: 930 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_138572.3](#)

RefSeq Size: 4323 bp

RefSeq ORF: 933 bp

Locus ID: 129685

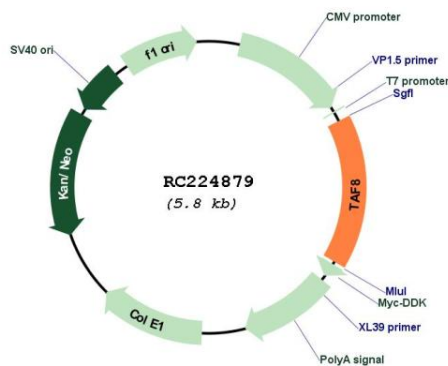
UniProt ID: [Q7Z7C8](#)

Cytogenetics: 6p21.1

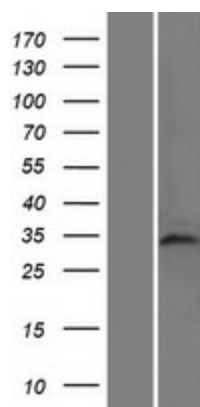
MW: 34.1 kDa

Gene Summary: This gene encodes one of several TATA-binding protein (TBP)-associated factors (TAFs), which are integral subunits of the general transcription factor complex TFIID. TFIID recognizes the core promoter of many genes and nucleates the assembly of a transcription preinitiation complex containing RNA polymerase II and other initiation factors. The protein encoded by this gene contains an H4-like histone fold domain, and interacts with several subunits of TFIID including TBP and the histone-fold protein TAF10. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC224879



Western blot validation of overexpression lysate (Cat# [LY408568]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224879 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).