

Product datasheet for RC224324

TAF172 (BTAF1) (NM_003972) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF172 (BTAF1) (NM_003972) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TAF172
Synonyms:	MOT1; TAF(II)170; TAF172; TAFII170
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224324 representing NM_003972 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTCTCCAGGCTAGATCGCCTTTTTATTTACTGGATACTGGCACTACTCCTGTTACAAGAAAAG
CTGCTGCACAGCAACTTGGAGAAGTGGTGAAGCTTCATCCCCATGAACTAAATAATCTCCTGTCTAAAGT
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AATAGTATTATGACTCTCCTTTCATCCTTGTTAACTTACCCTCAGGTCCAACAATGCAGTATTCAGCAGT
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ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
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Protein Sequence:

>RC224324 representing NM_003972

Red=Cloning site Green=Tags(s)

MAVSRLDRLFILLDTGTPVTRKAAAQQLGEVVKLHPHELNLLSKVLIYLRSANWDTRIAAGQAVEAIV
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 RIARQRKLLQKGLNMGEAIGMSTEELFNDELDYTPTSASFVNKQPTLQAAELIDSEFRAGMSNRQKN
 KAKRMAKLFKQSRDAVETNEKSNDSTGEPEEKRRKI ANVVINQSANDSKVLIDNIPDSSSLIETNE
 WPLESFCEELCNDLFNPSWEVRHGAGTGLREILKAHGKSGGKMGDSTLEEMIQQHQEWLEDLVIRLLCVF
 ALDRFGDFVSDEVVAPVRETCAQTLGVVLKHMNETGVHKTVDVLLKLLTQEQWEVRHGGLLGIKYALAVR
 QDVINTLLPKVLTRIEGLQDLDDVRAVAASLVPVVEVLVYLQTKVPFIINTLWDALLEDDL TAST
 NSIMTLLSSLLTYPVQVQCSIQQSLTVL VPRVWPFLLHHTISSVRRAALETFTLLSTQDQNSSSWLPIIL
 PDLRHLRFQCVLESSQELDLIHKVWMELLSKASVQYVVAACPMWGAWLCLMMQPSHLPIDLNMLLEV
 KARAKEKTGGKVRQGSQNKVEVLQEYIAGADTIMEDPATRDFVVMRARMMAAKLLGALCCICDPGVNVV
 TQEIKPAESLGQLLLFHLNSKSALQRISVALVCEWAALQKECKAVTLAVQPRLLDILSEHLYYDEI AVP
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 AVRHMAARCVGVMSKIATMETMNI FLEKVL PWLGAIDDSVKQEGATEALACVMEQLDVGIVPYIVLLVVP
 VLGRMSDQTSVRFMATQCFATLIRLMPL EAGIPDPNMSAELIQLKAKERHFLEQLLDGKLENYKIPV
 PINAELRKYQQDGVNWLAFLNKYKLHGILCDDMGLGKTLQSI CILAGDHCHRAQEYARSKLAECMPLPSL
 VVCPPTLTGHVWDEVGKFC SREYLNPLHYTGPPTERIRLQH QVVRHNLIVASYDVVRNDIDFRNIKFN
 YCILDEGHV IKNKTKLSKAVKQLTANYRIILSGTPIQNNVLELWSLFDLMPGFLGTERQFAARYGKPI
 L ASRDARSSSREQEAGVLA MDALHRQVLPFLRRMKEDVLQDLPPKIIQDYCTL SPLQVQLYEDFAKSRA
 KCDVDETVSSATLSEETPKL KATGHVFQALQYLRKLCNHPALVLTQHPFEKTTAEKLAVQNSSLHDI
 QHAPKLSALKQLLLDCGLGNGSTSESGTESVVAQHRILIFCQLKSMLDIVEHDLKPHLPSVTYLRDGS
 IPPGQRHSIVSRFNNDPSIDVLLLTTHVGGGLNLTGADTVVFVEHDWNP MRDLQAMDRAHRIGQKR VVN
 VYRLITRGTLEEKIMGLQKFKMNIANTVISQENSLQSMGTDQLLDLFTL DKDGKAEKADTSTSGKASMK
 SILENLSDLWDQEYDSEYSLENFMHSLK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:
https://cdn.origene.com/chromatograms/mk8100_e08.zip
Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_003972

ORF Size: 5547 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_003972.3](#)

RefSeq Size: 7054 bp

RefSeq ORF: 5550 bp

Locus ID: 9044

UniProt ID: [O14981](#)

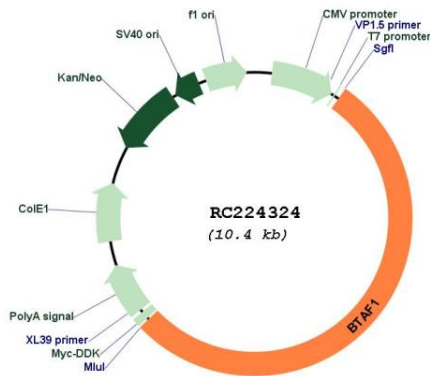
Cytogenetics: 10q23.32

Protein Families: Transcription Factors

MW: 206.9 kDa

Gene Summary: This gene encodes a TAF (TATA box-binding protein-associated factor), which associates with TBP (TATA box-binding protein) to form the B-TFIID complex that is required for transcription initiation of genes by RNA polymerase II. This TAF has DNA-dependent ATPase activity, which drives the dissociation of TBP from DNA, freeing the TBP to associate with other TATA boxes or TATA-less promoters. [provided by RefSeq, Sep 2011]

Product images:



Circular map for RC224324