

Product datasheet for **RC218836**

TAF1C (NM_005679) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF1C (NM_005679) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TAF1C
Synonyms:	MGC:39976; SL1; TAFI95; TAFI110
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC218836 representing NM_005679
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTTCCCCAGCTCCCTCCGCCTGCATTGTTTCTGACCGGCCCCCTTGGTCTGAGCGACGTCCTG
 ACCTCTCTTTCATGTGCAGCTGGCGAGACGCACTGACTCTGCCAGAGGCCAGCCCCAGAACTCAGAGAA
 TGGGGCACTGCATGTGACCAAGGACCTGCTGTGGGAGCCGGCAACCCCTGGGCTCTCCCATGCTGCCT
 CCCCTCATCGATCCCTGGGACCTGGCCTGACTGCCCGGGACCTGCTTTTCCGCGGAGGGTGCCGGTATC
 GGAAGCGGCCCGAGTCGTGCTGGATGTGACTGAGCAGATCAGCCGGTTCCTCTTGGATCATGGAGACGT
 AGCCTTTGCGCCCTGGGAAGCTGATGCTGGAGAATTTCAAGCTGGAGGGAGCGGGGAGCCGCACTAAG
 AAGAAGACAGTGGTCAGTGTGAAGAAGCTGCTCCAGGACCTCGGTGGACACCAGCCCTGGGGGTGCCT
 GGGCTTACCTCAGCAACCGACAGCGCCGTTCTCTATCCTCGGGGCCCCATCCTGGGCAGTGGTGGC
 GAGCCACTTGGCAGAGCTGCTGCACGAGGAGCTGGTGTGCGGTGGGAGCAGCTGCTTCTGGATGAGGCC
 TGCACTGGGGGCGCGCTGGCCTGGGTTCCTGGAAGGACACCCAGTTCGGGCAGCTGGTCTACCCCTGCTG
 GAGGCGCCAGGACAGGCTGCATTTCCAAGAGGTGCTTCTGACCCAGGTGACAATCCCCAATTCCTTGG
 GAAACCTGGAGCATCCAGCTCCAGGGACCTGTCCGGCAAGTGGTACATGCACCGTCCAGGGAGAAAGT
 AAGGCCCTTATATACACTTTCCTCCCTCACTGGCTGACCTGTACCTGACCCCTGGCCCTTTCATCCCT
 CCTCAGCTCTGCTGGCCGTCCGCTCTGACTACCACTGTGCCGTGTGGAAGTTTGGTAAACAGTGGCAGCC
 AACCTTCTGCAGGCAATGCAGTGGAGAAAGGGGCCACGGGGATCAGCCTCAGCCCTCACCTGCCCGGG
 GAGCTGGCCATCTGCAGCCGCTCGGAGCCGCTGCGCTGTGGAGCCCTGAGGATGGGTGGCGCAAACT
 ACAGGGACCTGAGACCCTCGTGTCCGGGACCTCTTCTGTTGGGTTGGGCAGACTTCACTGGCACC
 TCGGGTGTGACCGTGGGTGACCGACCCGAGTGAAGATGCTGGACACTCAGGGCCCGCCGGCTGTGGT
 CTGTTGCTTTTTCTGTTGGGGCAGAGGCTTCTGCCAGAAAGGGGAACGTGCTCTGCTTACCCAGTACC
 TGGGGCACTCCAGCCCCAATGCCTCCCCCTACTCTTCTCATCTGCTGTACCCAGTTCTCTCTACCT
 AGTGGACGAGCGCCTTCCCCTGGTGCCGATGCTGAAGTGAACCATGGCCTCCCCCCCCGCTCTGCTG
 GCCCGACTGCTGCCTCCGCCCGGCCAGCTGCGTGCAGCCCTGCTCCTCGGAGGCCAGGGTGGCAGC
 TGCAGTGTGCACTGGCAGGAGAAGGGCGTGGTGGCCCGCTGGCAGGCCCCCCCAGTCTCTTCC
 TTCCAGGATCGACTCCCTCCCTGCATTTCTCTGCTGGAGCCTAAGATCCAGTGGCGCTGCAGGAGCGC
 CTGAAAGCACCGACCATAGGTCTGGCTGCCGTGCTCCCGCCTTGGCCTCAGCGCCACACCAGGCCTGG
 TGCTTTCCAGCTCTCGCGCGCGGGAGATGTCTTCTACCAGCAGCTCCGCCCCAGGTGGACTCCAGCCT
 CCGCAGAGATGCTGGGCCTCCTGGCGACACCAACCTGACTGCCATGCCCCACAGCTTCTTGACCTCC
 CAGGACACTGCCGGCTGCAGCCAGTGGTGAAGGCCCTGCTAAAAGTGGCCCTGGCTCCTCTGTGTGGA
 CAGCACCCACCTTACCCACCGCAGATGCTGGGCAGCACAGAGCTGCGGAGGGAGGAAGAGGAAGGGCA
 GCGGCTGGGTGTGCTCCGCAAGGCCATGGCCCGAGGGCAGCTCCTGCTGCAGAGAGACCTGGGCTCCCTC
 CCTGGCGCAGAGCCACCCCTGCACCCGAGTCAAGCCTAGAGGACAAGCTCAGTGAAGCCTGGGGGAG
 CAGGCGGCCCAAGCGCCGACCCAGCTGTCCAGCAGTTTTCTGCTCAGTGGCCATGTGGATCCCTCAGAG
 GACACCAGCTCCCCTCATAGCCCTGAGTGGCCACCTGCTGATGCTCTGCCCTGCCCCACGACCCCGC
 CCTCCCAGGAGTTGACTCCGGATGCATGCGCCAGGGCGTCCCATCAGAGCAGCGGCAGATGCTCCGTGA
 CTACATGGCCAAGCTACCACCCAGAGGGACACCCAGGCTGTGCCACCACACTCCCCACTCCCAGGCC
 TCCAGCGTCCGGGCCACTCGCTCCAGCAGCACACCCGTCCTCTAGCTCTCAGCCCTCCGGAAGA
 AGCCTCGAATGGGCTTC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218836 representing NM_005679
 Red=Cloning site Green=Tags(s)

MDFPSSLRPAFLFTGPLGLSDVPDL S F M C S W R D A L T L P E A Q P Q N S E N G A L H V T K D L L W E P A T P G P L M P L P
 P L I D P W D P G L T A R D L L F R G G C R Y R K R P R V V L D V T E Q I S R F L L D H G D V A F A P L G K L M L E N F K L E G A G S R T K
 K K T V V S V K K L L Q D L G G H Q P W G C P W A Y L S N R Q R R F S I L G G P I L G T S V A S H L A E L L H E E L V L R W E Q L L L D E A
 C T G G A L A W P G R T P Q F G Q L V Y P A G G A Q D R L H F Q E V V L T P G D N P Q F L G K P G R I Q L Q G P V R Q V V T C T V Q G E S
 K A L I Y T F L P H W L T C Y L T P G P F H P S S A L L A V R S D Y H C A V W K F G K Q W Q P T L L Q A M Q V E K G A T G I S L S P H L P G
 E L A I C S R S G A V C L W S P E D G L R Q I Y R D P E T L V F R D S S S W R W A D F T A H P R V L T V G D R T G V K M L D T Q G P P G C G
 L L L F R L G A E A S C Q K G E R V L L T Q Y L G H S S P K C L P P T L H L V C T Q F S L Y L V D E R L P L V P M L K W N H G L P S P L L L
 A R L L P P P R P S C V Q P L L L G G Q G G Q L Q L L H L A G E G A S V P R L A G P P Q S L P S R I D S L P A F P L L E P K I Q W R L Q E R
 L K A P T I G L A A V V P P L P S A P T P G L V L F Q L S A A G D V F Y Q Q L R P Q V D S S L R R D A G P P G D T Q P D C H A P T A S W T S
 Q D T A G C S Q W L K A L L K V P L A P P V W T A P T F T H R Q M L G S T E L R R E E E E G Q R L G V L R K A M A R G Q L L L Q R D L G S L
 P A A E P P P A P E S G L E D K L S E R L G E A W A G R G A A W W E R Q Q G R T S E P G R Q T R R P K R R T Q L S S S F S L S G H V D P S E
 D T S S P H S P E W P P A D A L P L P P T T P P S Q E L T P D A C A Q G V P S E Q R Q M L R D Y M A K L P P Q R D T P G C A T T P P H S Q A
 S S V R A T R S Q Q H T P V L S S S Q P L R K K P R M G F

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8022_e02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

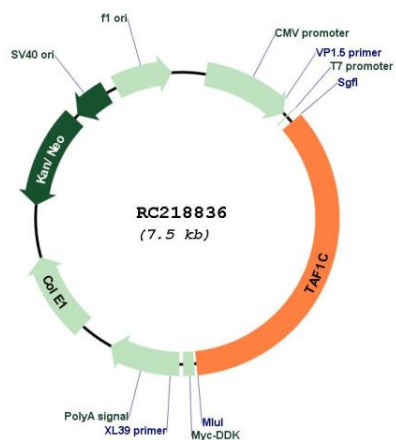
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_005679
ORF Size:	2607 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.
RefSeq:	NM_005679.4
RefSeq Size:	3925 bp
RefSeq ORF:	2610 bp
Locus ID:	9013
UniProt ID:	Q15572
Cytogenetics:	16q24.1
Protein Families:	Transcription Factors
MW:	95 kDa
Gene Summary:	Initiation of transcription by RNA polymerase I requires the formation of a complex composed of the TATA-binding protein (TBP) and three TBP-associated factors (TAFs) specific for RNA polymerase I. This complex, known as SL1, binds to the core promoter of ribosomal RNA genes to position the polymerase properly and acts as a channel for regulatory signals. This gene encodes the largest SL1-specific TAF. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2011]

Product images:



Circular map for RC218836