

Product datasheet for **RC207009**

TAF1C (NM_139353) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF1C (NM_139353) 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:**

>RC207009 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCCTCCCCTCATCGATCCCTGGGACCTGGCCTGACTGCCCGGGACCTGCTTTCCGCGGAGGGT
 ACCGGTATCGGAAGCGGCCCGAGTCGTGCTGGATGTGACTGAGCAGATCAGCCGGTTCCTCTTGATCA
 TGGAGACGTAGCCTTTGCGCCCTGGGGAAGCTGATGCTGGAGAATTTCAAGCTGGAGGGAGCGGGGAGC
 CGCACTAAGAAGAAGACAGTGGTCAGTGTGAAGAAGCTGCTCCAGGACCTCGGTGGACACCAGCCCTGGG
 GGTGTCCCTGGGCTTACCTCAGCAACCGACAGCGCCGCTTCTCTATCCTCGGGGGCCCCATCTGGGCAC
 GTCGGTGGCGAGCCACTTGGCAGAGCTGCTGCACGAGGAGCTGGTGTGCGGTGGGAGCAGCTGCTTCTG
 GATGAGGCCTGCACTGGGGGCGCGCTGGCTGGGTTCTGGAAGGACACCCAGTTCGGGCAGCTGGTCT
 ACCCTGCTGGAGGCGCCAGGACAGGCTGCATTTCCAAGAGGTGTTCTGACCCAGGTGACAATCCCCA
 ATTCCTTGGGAAACCTGGACGCATCCAGCTCCAGGGACCTGTCCGGCAAGTGGTACATGCACCGTCCAG
 GGAGAAACTCTGCTGGCGTCCGCTCTGACTACCACTGTGCCGTGTGAAAGTTTGGTAAACAGTGGCAGC
 CAACCTTCTGCAGGCGATGCAGGTGGAGAAAGGGGCCACGGGGATCAGCCTCAGCCCTCACTGCCCGG
 GGAGCTGGCCATCTGCAGCCGCTCGGGAGCCGTCTGCCTGTGGAGCCCTGAGGATGGGCTGCGGCAATC
 TACAGGGACCCTGAGACCCTCGTGTCCGGGACTCCTCTCTGTGGCGTTGGGAGACTTCACTGCGCACC
 CTCGGGTGCTGACCGTGGGTGACCGCACCGGAGTGAAGATGCTGGACACTCAGGGCCCGCCGGGCTGTGG
 TCTGTTGCTTTTTCGTTTGGGGGAGAGGCTTCGTGCCAGAAAGGGGAACGTGCTCTGTTACCCAGTAC
 CTGGGGCACTCCAGCCCCAAATGCCTCCCCCTACTCTTCATCTCGTCTGTACCCAGTTCCTCTCTACC
 TAGTGGACGAGCGCCTTCCCTGGTGGCGATGCTGAAGTGAACCATGGCCTCCCCTCCCGCTCTGCTGCT
 GGCCCGACTGCTGCCTCCGCCCGGCCAGCTGCGGTGCAGCCCTGCTCCTCGGAGGCCAGGGTGGGCGAG
 CTGCAGCTGCTGCACCTGGCAGAAGGGCGTGGTGGCCCGCTGGCAGGCCCGCCAGTCTTCTCCTT
 CCAGGATCGACTCCCTCCCTGCATTTCTCTGCTGGAGCCTAAGATCCAGTGGCGGCTGCAGGAGCGCT
 GAAAGCACCGACCATAGGTCTGGCTGCCGTGTCGCCCATGCCCTCAGCGCCACACCAGGCTGGT
 CTCTCCAGCTCTCGGCGGCGGAGATGTCTTCTACCAGCAGCTCCGCCCCAGGTGGACTCCAGCCTCC
 GCAGAGATGCTGGGCTCCTGGGACACCCAACCTGACTGCCATGCCCCACAGCTTCTGGACCTCCCA
 GGACTGCGCGGCTGCAGCCAGTGGTGAAGGCCCTGCTAAAAGTGGCCCTGGCTCCTCCTGTGTGACA
 GCACCCACCTTACCCACCGCCAGATGCTGGGCAGCACAGAGCTGCGGAGGGAGGAAGAGGAAGGGCAGC
 GGCTGGGTGACTCCGCAAGGCCATGGCCCGAGGGCAGCTCCTGCTGCAGAGAGACTGGGCTCCCTCCC
 TGGCGCAGAGCCACCCCTGCACCCGAGTCAGGCCTAGAGGACAAGCTCAGTGAAGCGCTGGGGGAGCC
 TGGGCAGGCCGAGGGGCTGCCTGGTGGGAGAGGCAGCAGGGCAGGACCTCGGAGCCCGGGAGACAGACCA
 GGCGGCCCAAGCGCCGACCCAGCTGTCCAGCAGCTTTTTCGCTCAGTGGCCATGTGGATCCCTCAGAGGA
 CACCAGTCCCCTCATAGCCCTGAGTGGCCACCTGCTGATGCTCTGCCCTGCCCCACGACCCCGCCC
 TCCCAGGAGTTGACTCCGGATGCATGCGCCAGGGCGTCCCATCAGAGCAGCGGCAGATGCTCCGTGACT
 ACATGGCCAAGCTACCACCCAGAGGGACACCCAGGCTGTGCCACCACCTCCCCTCCCAGGCCTC
 CAGCGTCCGGGCCACTCGCTCCCAGCAGCACACCCCGTCTCTAGCTCTCAGCCCTCCGTAAGAAG
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 ACAAGGATGACGACGATAAGGTTTAA

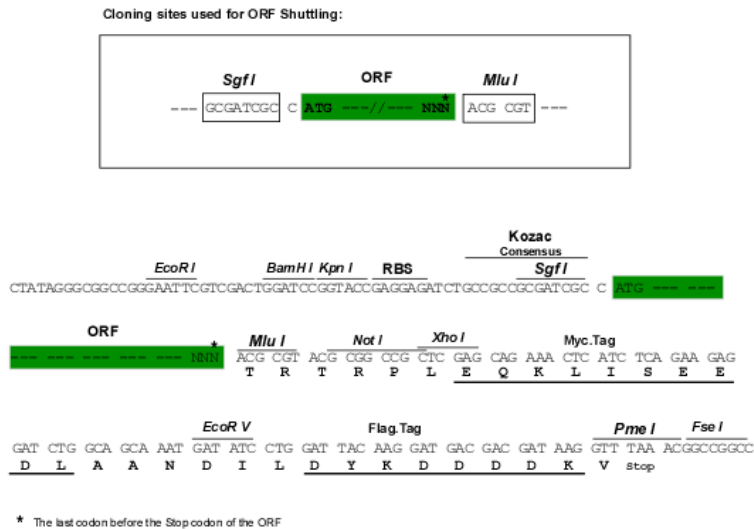
Protein Sequence: >RC207009 protein sequence
Red=Cloning site Green=Tags(s)

MLPPLIDPWPGLTARDLLFRGGYRYRKRPRVLDVTEQISRFLLDHGDVAFAPLGKLMLENFKLEGAGS
RTKKKTVVSVKLLQLDGGHPWGPCWAYLSNRQRRFSILGGPILGTSVASHLAELLHEELVLRWEQLLL
DEACTGGALAWVPGRTPQFGQLVYPAGGAQDRLHFQEVVLTGDNPQFLGKPGRIQLQGPVRQVVTCTVQ
GETLLAVRSDYHCAVWKFGKQWQPTLLQAMQVEKGATGISLSPHLPGELAI CSRSRGAVCLWSPEDGLRQI
YRDPETLVFRDSSSWRWADFTAHPRVLTVDRTGVKMLDTQGPPGCGLLLFRLGAEASCQKGERVLLTQY
LGHSSPKCLPPTLHLVCTQFSLYLVDERLPLVPMKWNHGLPSPLLLARLLPPPRPSCVQPLLLGGQGGQ
LQLHLAEGASVPRLAGPPQSLPSRIDSLEPAFPLEPKIQWRLQERLKAPTIGLA AVVPPMPSAPTPLV
LFQLSAAGDVFYQLRPQVDSLRDAGPPGDTQPDCHAPTASWTSQDTAGCSQWLKALLKYPLAPPVWT
APTFTHRQMLGSTE LRREEEEGQRLGVL RKAMARGQLLQRDLGSLPAAEPPPAPESGLEDKLSERLGEA
WARGAAWVERQQGRTSEPGRQTRRPKRRTQLSSSFSLSGHVDPS EDTSSPHSPEWPPADALPLPPTTP
SQELTPDACAQGVPEQRQMLRDYMAKLPQRDTPGCATTPPHSQASSVRATRSQHTPVLSSSQPLRKK
PRMGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6806_b11.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_139353

ORF Size: 2325 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_139353.3](#)

RefSeq Size: 3720 bp

RefSeq ORF: 2328 bp

Locus ID: 9013

UniProt ID: [Q15572](#)

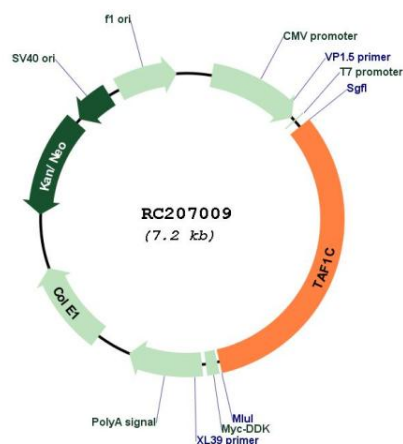
Cytogenetics: 16q24.1

Protein Families: Transcription Factors

MW: 85.1 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 RC207009