

## Product datasheet for **RC234377**

### TAF1C (NM\_001243158) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAF1C (NM_001243158) 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:**

>RC234377 representing NM\_001243158  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGGTGGAGAAAGGGCCACGGGGATCAGCCTCAGCCCTCACCTGCCCGGGAGCTGGCCATCTGCA  
 GCCGCTCGGGAGCCGTCTGCCTGTGGAGCCCTGAGGATGGCTGCGGCAAATCTACAGGGACCCTGAGAC  
 CCTCGTGTTCGGGACTCCTCTTCGTGGCGTTGGGCAGACTTCACTGCGCACCCCTCGGGTCTGACCGTG  
 GGTGACCGCACCGGAGTGAAGATGCTGGACACTCAGGGCCCGCCGGGCTGTGGTCTGTTGCTTTTCGTT  
 TGGGGGCAGAGGCTTCGTGCCAGAAAGGGGAACGTGTCTGCTTACCCAGTACCTGGGCACTCCAGCCC  
 CAAATGCCTCCCCCTACTCTTCATCTCGTCTGTACCCAGTTCTCTCTACCTAGTGGACGAGCGCCTT  
 CCCCTGGTGCCGATGCTGAAGTGAACCATGGCCTCCCCCTCCCCGCTCCTGCTGGCCGACTGCTGCCTC  
 CGCCCCGGCCAGCTGCGTGCAGCCCTGCTCCTCGGAGGCCAGGGTGGGCAGCTGCAGCTGCTGCACCT  
 GGCAGGAGAAGGGGCGTGGTGCCTCCGCTGGCAGGCCCCCCCAGTCTTCTTCCAGGATCGACTCC  
 CTCCTGCATTTCTCTGCTGGAGCCTAAGATCCAGTGGCGGCTGCAGGAGCGCCTGAAAGCACCGACCA  
 TAGGTCTGGTGGCTGCGTCCCGCCCTTGCCTCAGCGCCACACCAGGCTGGTCTTCCAGCTCTC  
 GGCGGCGGGAGATGTCTTACCAGCAGCTCCGCCCCAGGTGGACTCCAGCCTCCGAGAGATGTGGG  
 CCTCTGGCGACACCCAACTGACTGCCATGCCCCACAGCTTCTGGACCTCCAGGACTGCGCGGT  
 GCAGCCAGTGGCTGAAGGCCCTGCTAAAAGTGGCCCTGGCTCCTCCTGTGTGGACAGCACCCACCTTAC  
 CCACCGCCAGATGCTGGGCAGCAGAGCTGCGGAGGGAGGAAGAGGAAGGGCAGCGGCTGGGTGTGCTC  
 CGCAAGGCCATGGCCGAGGGCAGCTCCTGCTGCAGAGAGACCTGGGCTCCCTCCCTGCGGCAGAGCCAC  
 CCCCTGCACCCGAGTCAAGCCTAGAGGACAAGTCAAGTGAAGCCTGGGGGAAGCCTGGGCAGCCGAGG  
 GGCTGCCTGGTGGGAGAGGCAGCAGGGCAGGACCTCGGAGCCCGGAGACAGACCAGGCGGCCAAAGCGC  
 CGGACCCAGCTGTCCAGCAGTTTTTCGCTCAGTGGCCATGTGGATCCCTCAGAGGACACCAGCTCCCTC  
 ATAGCCCTGAGTGGCACCTGCTGATGCTTGCCTGCCCCACGACCCCGCCCTCCAGGAGTTGAC  
 TCCGGATGCATGCGCCAGGGCGTCCCATCAGAGCAGCGGCAGATGCTCCGTGACTACATGGCCAAGCTA  
 CCACCCAGAGGGACACCCAGGCTGTGCCACCACCTCCCACTCCAGGCTCCAGCGTCCGGGCCA  
 CTCGCTCCAGCAGCACACCCGCTCTCTAGCTCTCAGCCCTCCGGAAGAAGCCTCGAATGGGCTT  
 C

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC234377 representing NM\_001243158  
 Red=Cloning site Green=Tags(s)

MQVEKATGISLSPHLPGELAIICSRGAVCLWSPEDGLRQIYRDPETLVFRDSSSWRWADFTAHPRVLT  
 GDRTGVKMLDTQPPGCGLLLFRLGAEASCQKGERVLLTQYLGHSSPKCLPPTLHLVCTQFSLYLVDL  
 PLVPMKWNHGLPSPLLLARLLPPRPSCVQPLLLGGQGGQLQLLHLAGEGASVPRLAGPPQSLPSRID  
 LPAPFLLPEPKIQWRLQERLKAPTIGLAAYVPLPSAPTPGLVLFQLSAAGDVFYQQLRQVDSLRDAG  
 PPGDTQPDCHAPTASWTSQDTAGCSQWLKALLKVPLAPPVWTAPTFTHRQMLGSTELRREEEGQRLGVL  
 RKAMARGQLLLQRDLGSLPAAEPPAPESGLEDKLSERLGEAWAGRGAAWWERQQGRTSEPGRQTRRPKR  
 RTQLSSSFSLSGHVDPS EDTSSPHSPEWPPADALPLPPTPPSQELTPDACAQGVPSERQMLRDYMAKL  
 PPQRDTPGCATPPHSQASSVRATRSQQHTPVLSQQPLRKKPRMGF

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001243158

**ORF Size:** 1611 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\\_001243158.2](#)

**RefSeq Size:** 3379 bp

**RefSeq ORF:** 1614 bp

**Locus ID:** 9013

**UniProt ID:** [Q15572](#)

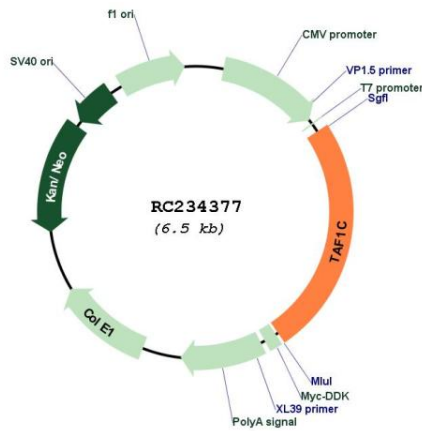
**Cytogenetics:** 16q24.1

**Protein Families:** Transcription Factors

**MW:** 58.9 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 RC234377