

Product datasheet for **RG234376**

TAF1C (NM_001243157) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF1C (NM_001243157) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TAF1C
Synonyms:	MGC:39976; SL1; TAFI95; TAFI110
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234376 representing NM_001243157
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAGTGGAGAAAGGGCCACGGGGATCAGCCTCAGCCCTCACCTGCCCGGGAGCTGGCCATCTGCA
 GCCGCTCGGGAGCGTCTGCCTGTGGAGCCCTGAGGATGGCTGCGGCAATCTACAGGGACCTGAGAC
 CCTCGTGTTCGGGACTCCTCTTCGTGGCGTTGGCAGACTTCACTGCGCACCTCGGGTCTGACCGTG
 GGTGACCGCACCGGAGTGAAGATGCTGGACACTCAGGGCCCGCGGGCTGTGGTCTGTTGCTTTTCGTT
 TGGGGCAGAGGCTTCGTGCCAGAAAGGGGAACGTGTCTGCTTACCCAGTACCTGGGCACTCCAGCCC
 CAAATGCCTCCCCCTACTCTTCATCTCGTCTGTACCCAGTTCTCTCTACCTAGTGGACGAGCGCCTT
 CCCCTGGTGCCGATGCTGAAGTGAACCATGGCCTCCCCCTCCCCGCTCCTGCTGGCCGACTGCTGCCTC
 CGCCCCGGCCAGCTGCGTGCAGCCCTGCTCCTCGGAGGCCAGGGTGGCAGCTGCAGCTGCTGCACCT
 GGCAGGAGAAGGGGCGTGGTGCCTCGCTGGCAGGCCCGCCAGTCTCTTCTCCAGGATCGACTCC
 CTCCTGCATTTCTCTGCTGGAGCCTAAGATCCAGTGGCGGCTGCAGGAGCGCCTGAAAGCACCGACCA
 TAGGTCTGGTGGCGTCTCCCGCCCTGCCCTCAGCGCCACACCAGGCTGGTCTTCCAGCTCTC
 GGCGGGGGAGATGTCTTCTACCAGCAGCTCCGCCCCAGGTGGACTCCAGCCTCCGAGAGATGTGGG
 CCTCTGGCGACACCCAACTGACTGCCATGCCCCACAGCTTCTGGACCTCCAGGACTGCGCGGT
 GCAGCCAGTGGCTGAAGGCCCTGCTAAAAGTGGCCCTGGCTCCTCTGTGTGGACAGCACCCACCTTAC
 CCACCGCCAGATGCTGGCAGCAGAGCTGCGGAGGGAGGAAGAGGAAGGGCAGCGGTGGGTGTGCTC
 CGCAAGGCCATGGCCGAGGGCAGCTCCTGCTGCAGAGAGACCTGGGCTCCCTCCCTGCGGCAGAGCCAC
 CCCCTGCACCCGAGTCAGGCCTAGAGGACAAGTCAAGTGAAGCCCTGGGGGAAGCCTGGGCAGCCGAG
 GGCTGCCTGGTGGGAGAGGCAGCAGGGCAGGACCTCGGAGCCCGGAGACAGACCAGGCGGCCAAGCGC
 CGGACCCAGCTGTCCAGCAGTTTTTCGCTCAGTGGCCATGTGGATCCCTCAGAGGACACCAGCTCCCTC
 ATAGCCCTGAGTGGCCACCTGCTGATGCTGCCCCTGCCCCACGACCCCGCCCTCCAGGAGTTGAC
 TCCGGATGCATGCGCCAGGGCGTCCCATCAGAGCAGCGGCAGATGCTCCGTGACTACATGGCCAAGCTA
 CCACCCAGAGGGACACCCAGGCTGTGCCACCACCTCCCACTCCAGGCCTCCAGCGTCCGGGCCA
 CTCGCTCCAGCAGCACACCCGCTCTCTAGCTCTCAGCCCTCCGGAAGAAGCCTCGAATGGGCTT
 C

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234376 representing NM_001243157
 Red=Cloning site Green=Tags(s)

MQVEKGATGISLSPHLPGELAIICSRGAVCLWSPEDGLRQIYRDPETLVFRDSSSWRWADFTAHPRLTV
 GDRTGVKMLDTQPPGCGLLLFRLGAEASCQKGERVLLTQYLGHSSPKCLPPTLHLVCTQFSLYLVDERL
 PLVPMKWNHGLPSPLLLARLLPPRPSCVQPLLLGGQGQLQLLHLAGEGASVPRLAGPPQSLPSRIDS
 LPAFPLLEPKIQWRLQERLKAPTIGLAAVVPLPSAPTGLVLFQLSAAGDVFYQQLRPQVDSLRDAG
 PPGDTQPDCHAPTASWTSQDTAGCSQWLKALLKVPLAPPVWTAPTFTHRQMLGSTELRREEEGQRLGVL
 RKAMARGQLLQRDLGSLPAAEPPAPESGLEDKLSERLGEAWAGRGAAWWERQQGRTSEPGRQTRRPKR
 RTQLSSSFSLSGHVDPS EDTSSPHSPEWPPADALPLPPTPPSQELTPDACAQGVPSERQMLRDYMAKL
 PPQRDTPGCATPPHSQASSVRATRSQQHTPVLSQQPLRKKPRMGF

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001243157

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_001243157.1](#), [NP_001230086.1](#)

RefSeq Size: 3518 bp

RefSeq ORF: 1614 bp

Locus ID: 9013

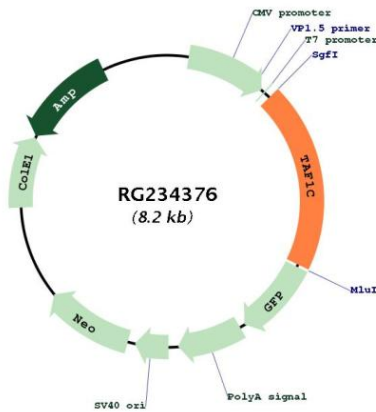
UniProt ID: [Q15572](#)

Cytogenetics: 16q24.1

Protein Families: Transcription Factors

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 RG234376