

Product datasheet for **RG232786**

TAF1C (NM_001243159) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF1C (NM_001243159) 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:

>RG232786 representing NM_001243159
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGACACTCAGGGCCCGCGGCTGTGGTCTGTTGCTTTTTCGTTTGGGGCAGAGGCTTCGTGCC
 AGAAAGGGGAACGTGTCCTGCTTACCCAGTACCTGGGGCACTCCAGCCCCAAATGCCTCCCCCTACTCT
 TCATCTCGTCTGTACCCAGTTCTCTCTCTACCTAGTGGACGAGCGCCTTCCCCTGGTGCCGATGCTGAAG
 TGGAAACCATGGCCTCCCCTCCCCGCTCCTGCTGGCCCGACTGCTGCCTCCGCCCGGCCAGCTGCGTGC
 AGCCCCGCTCCTCGGAGGCCAGGGTGGGCAGCTGCAGCTGCTGCACCTGGCAGGAGAAGGGGCGTCGGT
 GCCCCGCTGGCAGGCCCCCCCAGTCTTCTTCCAGGATCGACTCCCTCCCTGCATTTCTCTGCTG
 GAGCCTAAGATCCAGTGGCGGCTGCAGGAGCGCCTGAAAGCACCGACCATAGGTCTGGTGCCTGCTGCC
 CGCCCTTGCCCTCAGCGCCACACCAGGCTGGTGTCTTCCAGCTCTCGGGCGGGGAGATGTCTTCTA
 CCAGCAGCTCCGCCCCAGGTGGACTCCAGCCTCCGAGAGATGTGGGCTCCTGGCGACACCCAACT
 GACTGCCATGCCCCACAGCTTCTGGACTCCCAGGACTGCGGGCTGCAGCCAGTGGCTGAAGGCC
 TGCTAAAAGTGCCCTGGCTCCTCTGTGTGGACAGCACCCACCTTACCACCCGCCAGATGCTGGGCAG
 CACAGAGCTGCGGAGGGAGGAAGAGGAAGGGCAGCGGCTGGGTGTGCTCCGAAGGCCATGGCCCGAGGG
 CAGCTCCTGCTGCAGAGAGACCTGGGCTCCCTCCCTGCGGCAGAGCCACCCCTGCACCCGAGTCAGGCC
 TAGAGGACAAGCTCAGTGAAGCCTGGGGGAAGCCTGGGCAGGCCGAGGGGCTGCTGGTGGGAGAGGCA
 GCAGGGCAGGACCTCGGAGCCCGGGAGACAGACCAGGCGGCCAAGCGCCGACCCAGCTGTCCAGCAGC
 TTTTCGCTCAGTGGCCATGTGGATCCCTCAGAGGACACCAGCTCCCCTCATAGCCCTGAGTGGCCACCTG
 CTGATGCTCTGCCCTGCCCCACGACCCCGCCCTCCAGGAGTTGACTCCGGATGCATGCGCCAGGG
 CGTCCCATCAGAGCAGCGCAGATGCTCCGTGACTACATGGCCAAGCTACCACCCAGAGGGACACCCCA
 GGCTGTGCCACACACCTCCCCACTCCCAGGCTCCAGCGTCCGGGCCACTCGCTCCCAGCAGCACACAC
 CCGTCTCTCTAGCTCTCAGCCCTCCGGAAGAAGCCTCGAATGGGCTTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG232786 representing NM_001243159
 Red=Cloning site Green=Tags(s)

MLDTQGGPPGCLLLFRLGAEASCQKGERVLLTQYLGHSSPKCLPPTLHLVCTQFSLYLVDERLPLVPMK
 WNHGLPSPLLLARLLPPRPSCVQPLLLGGQGGQLLLHLAGEGASVPRLAGPPQSLPSRIDSLPAFPLL
 EPKIQWRLQERLKAPTIGLAAVVPLPSAPTGLVLFQLSAAGDVFYQQLRPQVDSLRDAGPPGDTQP
 DCHAPTASWTSQDTAGCSQWLKALLKVPLAPPVWTAPTFTHRQMLGSTEELRREEEEGQRLGVLKAMARG
 QLLLQRDLGSLPAAEPPAPESGLEDKLSERLGEAWAGRGAAWWERQQRGRTSEPGRQTRRPKRRTQLSSS
 FSLSGHVDPS EDTSSPHSPEWPPADALPLPPTPPSQELTPDACAQGVPSERQMLRDYMAKLPPQRDTP
 GCATTPPHSQASSVRATRSQHTPVLSQQPLRKKPRMGF

TRTRPLE – GFP Tag – V

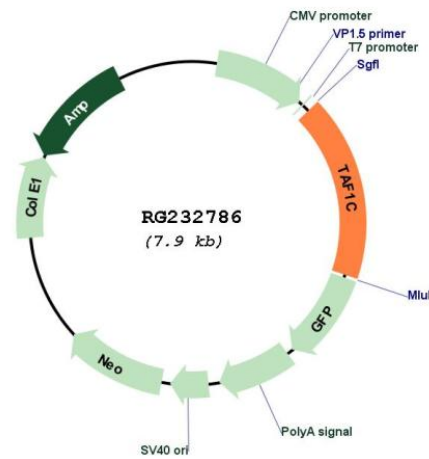
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001243159

ORF Size: 1380 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_001243159.2
RefSeq Size:	3851 bp
RefSeq ORF:	1383 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]