OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG232641

TAF1C (NM_001243160) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF1C (NM_001243160) 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)

ORF Nucleotide Sequence:

>RG232641 representing NM_001243160
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGAAGTGGAACCATGGCCTCCCCTCCCCGCTCCTGCTGGCCCGACTGCTGCCTCCGCCCCGGCCCA
GCTGCGTGCAGCCCCTGCTCCTCGGAGGCCAGGGTGGGCAGCTGCAGCTGCTGCACCTGGCAGAAGGGGC
GTCGGTGCCCCGCCTGGCAGGCCCCCCCCAGTCTCTTCCTTCCAGGATCGACTCCCTCCCTGCATTTCCT
CTGCTGGAGCCTAAGATCCAGTGGCGGCTGCAGGAGCGCCTGAAAGCACCGACCATAGGTCTGGCTGCCG
TCGTCCCGCCCTTGCCCTCAGCGCCCACACCAGGCCTGGTGCTCTTCCAGCTCTCGGCGGCGGGAGATGT
CTTCTACCAGCAGCTCCGCCCCCAGGTGGACTCCAGCCTCCGCAGAGATGCTGGGCCTCCTGGCGACACC
CAACCTGACTGCCATGCCCCCACAGCTTCCTGGACCTCCCAGGACACTGCCGGCTGCAGCCAGTGGCTGA
AGGCCCTGCTAAAAGTGCCCCTGGCTCCTCCTGTGTGGACAGCACCCACCTTCACCCACCGCCAGATGCT
GGGCAGCACAGAGCTGCGGAGGGAGGAAGAGGAAGGGCAGCGGCTGGGTGTGCTCCGCAAGGCCATGGCC
CGAGGGCAGCTCCTGCTGCAGAGAGACCTGGGCTCCCTCCCTGCGGCAGAGCCACCCCCTGCACCCGAGT
CAGGCCTAGAGGACAAGCTCAGTGAGCGCCTGGGGGAAGCCTGGGCAGGCCGAGGGGCTGCCTGGTGGGA
GAGGCAGCAGGGCAGGACCTCGGAGCCCGGGAGACAGACCAGGCGGCCCAAGCGCCGGACCCAGCTGTCC
AGCAGCTTTTCGCTCAGTGGCCATGTGGATCCCTCAGAGGACACCAGCTCCCCTCATAGCCCTGAGTGGC
CACCTGCTGATGCTCTGCCCCTGCCCCCCACGACCCCGCCCTCCCAGGAGTTGACTCCGGATGCATGCGC
CCAGGGCGTCCCATCAGAGCAGCGGCAGATGCTCCGTGACTACATGGCCAAGCTACCACCCCAGAGGGAC
ACCCCAGGCTGTGCCACCACACCTCCCCACTCCCAGGCCTCCAGCGTCCGGGCCACTCGCTCCCAGCAGC
ACACACCCGTCCTCTCTAGCTCTCAGCCCCTCCGGAAGAAGCCTCGAATGGGCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

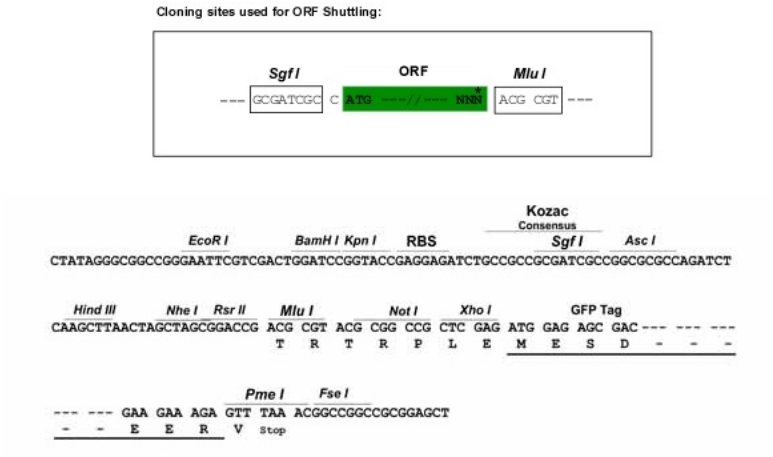
>RG232641 representing NM_001243160
Red=Cloning site Green=Tags(s)

MLKWNHGLPSPLLLARLLPPPRPSCVQPLLLGGQGGQLQLLHLAEGASVPRLAGPPQSLPSRIDSLPAFP
LLEPKIQWRLQERLKAPTIGLAAVVPPLPSAPTPGLVLFQLSAAGDVFYQQLRPQVDSSLRRDAGPPGDT
QPDCHAPTASWTSQDTAGCSQWLKALLKVPLAPPVWTAPTFTHRQMLGSTELRREEEEGQRLGVLRKAMA
RGQLLLQRDLGSLPAAEPPPAPESGLEDKLSERLGEAWAGRGAAWWERQQGRTSEPGRQTRRPKRRTQLS
SSFSLSGHVDPSEDTSSPHSPEWPPADALPLPPTTPPSQELTPDACAQGVPSEQRQMLRDYMAKLPPQRD
TPGCATTPPHSQASSVRATRSQQHTPVLSSSQPLRKKPRMGF

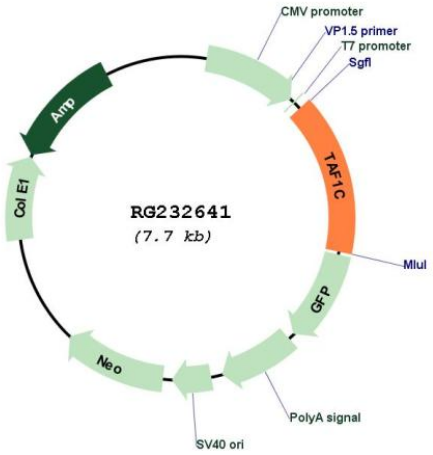
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001243160

ORF Size:	1176 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_001243160.2
RefSeq Size:	3696 bp
RefSeq ORF:	1179 bp
Locus ID:	9013
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]