

## Product datasheet for **RC232641**

### TAF1C (NM\_001243160) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAF1C (NM_001243160) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TAF1C
Synonyms:	MGC:39976; SL1; TAFI95; TAFI110
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC232641 representing NM_001243160 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCTGAAGTGAACCATGGCCTCCCCTCCCCGCTCCTGCTGGCCGACTGCTGCCTCCGCCCCGGCCCA  
GCTGCGTGCAGCCCCTGCTCCTCGGAGGCCAGGGTGGCAGCTGCAGCTGCTGCACCTGGCAGAAGGGGC  
GTCCGGTCCCCCGCTGGCAGGCCCCCCCAGTCTCTTCCCTCCAGGATCGACTCCCTCCCTGCATTTCT  
CTGCTGGAGCCTAAGATCCAGTGGCGGCTGCAGGAGCGCCTGAAAGCACCAGCACCATAGGTCTGGCTGCCG  
TCGTCCCGCCCTTGCCCTCAGCGCCACACCAGGCCTGGTGTCTTCCAGCTCTCGGCGGCGGGAGATGT  
CTTCTACCAGCAGCTCCGCCCCAGGTGGACTCCAGCCTCCGAGAGATGCTGGGCTCCTGGCGACACC  
CAACCTGACTGCCATGCCCCACAGTTCTGGACCTCCAGGACACTGCCGGCTGCAGCCAGTGGCTGA  
AGGCCCTGCTAAAAGTGCCCTGGCTCCTCCTGTGTGGACAGCACCCACCTTACCCACCGCCAGATGCT  
GGCAGCACAGAGCTGCGGAGGGAGGAAGAGGAAGGGCAGCGGCTGGGTGTGCTCCGAAGGCCATGGCC  
CGAGGGCAGCTCCTGCTGCAGAGAGACCTGGGCTCCCTCCCTGCGGCAGAGCCACCCCTGCACCCGAGT  
CAGGCCTAGAGGACAAGCTCAGTGAGCGCCTGGGGGAAGCCTGGCAGGCCGAGGGGCTGCCTGGTGGGA  
GAGGCAGCAGGGCAGGACCTCGGAGCCCGGAGACAGACCAGCGGCCCAAGCGCCGACCCAGCTGTCC  
AGCAGCTTTTCGCTCAGTGGCCATGTGGATCCCTCAGAGGACACCAGCTCCCTCATAGCCCTGAGTGGC  
CACCTGTGATGCTCTGCCCTGCCCCACGACCCCGCCCTCCAGGAGTTGACTCCGGATGCATGCGC  
CCAGGGCGTCCCATCAGAGCAGCGGCAGATGCTCCGTGACTACATGGCCAAGCTACCACCCAGAGGGAC  
ACCCAGGCTGTGCCACCACCTCCCCACTCCAGGCCCTCCAGCGTCCGGGCCACTCGCTCCAGCAGC  
ACACCCCGTCTCTAGCTCTCAGCCCTCCGAAGAAGCCTCGAATGGGCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>ORF Size:</b>	1176 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001243160.2</a>
<b>RefSeq Size:</b>	3696 bp
<b>RefSeq ORF:</b>	1179 bp
<b>Locus ID:</b>	9013
<b>Cytogenetics:</b>	16q24.1
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	43 kDa
<b>Gene Summary:</b>	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]