

## Product datasheet for **RG212971**

### **TAF1 48 (TAF1A) (NM\_005681) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TAF1 48 (TAF1A) (NM_005681) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TAF1 48
Synonyms:	MGC:17061; RAFI48; SL1; TAFI48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG212971 representing NM\_005681  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGAGTGATTTTCAGTGAAGAATTAAGGGCCTGTGACAGATGATGAAGAAGTGGAAACATCTGTGCTCA  
 GTGGTGCAGGAATGCATTTTCTTGCTTCAAACATACGTAGAACTGTGGCCATTGGAGGGAAAAGGAG  
 GAAGGATTTTGCTCAGACAACAAGTGCTTGTAAAGTTTATCCAAGAAGCTCTGCTGAAGCACCATGG  
 CAGCAAGCTGCAGAATACATGTACAGTTATTTTTCAGACCTTGAAGATTAGATAGCTACAAAAGGCAGG  
 CTGCACCTGAGATTATTTGGAAGCTCGAAGTGAAATTCTATTTTATCATCCAAAAGCAACATGGAGAG  
 TTTCAATACTTTTGCTAACCGGATGAAAAATTTGGCGTCATGAATTATTTAAAGATCTCCTTACAACAT  
 GCATTATACCTTTCGCATCATGGAATGCTTAAAGATGCTAAGAGAAATCTGAGTGAGGCAGAGACATGGA  
 GACATGGTGAAAAACGCTTCCCGGAAATTAATCAACCTTATTCAGGCCTATAAAGGGCTTTTACA  
 GTATTATACCTGGTCTGAAAAGAAGATGGAATTGTCAAAGCTTGATAAGGATGATTATGCTTACAATGCA  
 GTAGCCACAGGATGTGTTCAACCACAGCTGGAAGACATCTGCAAATATTTCTGCATTGATTAATAATCCTG  
 GAGTTTGGGACCTTTTGTGAAGAGTTATGTAGAAATGCTGGAATTCTATGGGGATCGAGATGGAGCCCA  
 AGAGGTAATCACCATTATGCATATGATGAAAAGTTTCCATCAAATCCAAATGCCCATATCTACTTATAC  
 AACTTTCTAAAGAGACAGAAGGCACCAAGATCAAATTTGATAAGTGTGCTTAAGATTTTGTATCAGATTG  
 TACCATCTCATAAATGATGTTGGAATTCATACATTACTTAGAAAAATCAGAAAAAGAAGAACACCGTAA  
 ACTGGGTTGGAGGATATTTGGAGTCTTAGATTTTCCCGGATGCACTAAGAATATAACTGCTTGGAAA  
 TACTTGGCAAAAATCTGAAAAATCTTAATGGGAAACCACCTTGCCTGGTTCAAGAAGAGTGGAACT  
 CCAGAAAAAAGTGGTGGCCAGGTTTTCATTTTCAGCTACTTTTGGGCAAAAAGTATTGGAAGGAAGATA  
 CAGCTTTGGCCTGTGAGAAAGCTTTTGTGGCTGGTTTACTGTTAGGAAAAGGTTGTAGATATTTCCGGTAT  
 ATTTTAAAGCAAGATCACCAAATCTTAGGGAAGAAAATTAAGCGGATGAAGAGATCTGTGAAAAATACA  
 GTATTGTAATCCAAGACTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG212971 representing NM\_005681  
 Red=Cloning site Green=Tags(s)

MSDFSEELKGPVTDDEEVETSVLSGAGMHFPWLQTYVETVAIGGKRRKDF AQTTSACLSF IQEALLKHQW  
 QQAAEYMYSYFQTLESDSYKRQAPEI IWKLGSEILFYHPKSNMESFNTFANRMKNIGVMNYLKISLQH  
 ALYLLHHGMLKDAKRNLSAEETWRHGENTSSREILINLIQAYKGLLQYYTWSEKKMELSKLDKDDYAYNA  
 VAQDVFNHSHWTSANISALIKIPGVWDPFVKSYVEMLEFYGDRDGAQEVL TNYAYDEKFPSPNAHIYLY  
 NFLKRQKAPRSKLISVLKILYQIVPSHKLMLFHTLLRKSEKEEHRKLGLEVLFGVLDFAGCTKNITAWK  
 YLAKYLNILMGNHLAWVQEEWNSRKNWPGFHF SYFWAKSDWKEDTALACEKAFVAGLLLGKGCYFRY  
 ILKQDHQILGKKIKRMKRSVKKYSIVNPRL

TRTRPLE – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_005681

**ORF Size:** 1350 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\\_005681.1](#)

**RefSeq Size:** 1893 bp

**RefSeq ORF:** 1353 bp

**Locus ID:** 9015

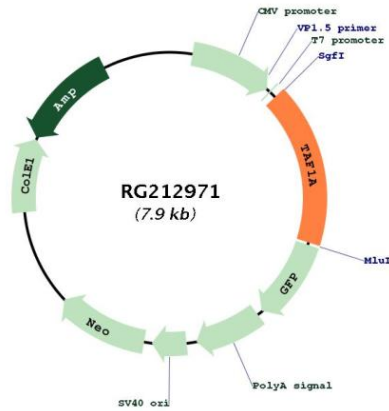
**UniProt ID:** [Q15573](#)

**Cytogenetics:** 1q41

**Protein Families:** Transcription Factors

**Gene Summary:** This gene encodes a subunit of the RNA polymerase I complex, Selectivity Factor I (SLI). The encoded protein is a TATA box-binding protein-associated factor that plays a role in the assembly of the RNA polymerase I preinitiation complex. Alternate splicing results in multiple transcript variants encoding multiple isoforms.[provided by RefSeq, Jan 2011]

**Product images:**



Circular map for RG212971