

## Product datasheet for **RG223971**

### TIAL1 (NM\_003252) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TIAL1 (NM\_003252) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TIAL1  
**Synonyms:** TCBP; TIAR  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG223971 representing NM\_003252  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGGAAGACGACGGGCAGCCCCGGACTCTATACGTAGGTAACCTTTCCAGAGATGTGACAGAAGTCC  
TTATACTCAGTTGTTTCAGTCAGATTGGACCCTGTAAAAGCTGTAAAATGATAACAGAGCATACAAGCAA  
TGACCCATATTGCTTTGTGGAATTTTATGAACACAGAGATGCAGCTGCTGCATTAGCTGCTATGAATGGG  
AGAAAAATTTGGAAAGGAGGTCAAAGTAACTGGGCAACCACCAAGTAGCCAGAAAAAGATACTT  
CCAATCACTTCCATGTGTTTGTGGGATTTGAGTCCAGAAATACAACAGAAGATATCAATCAGCATT  
TGCCCCCTTTGGTAAAATATCGGATGCCCGGTAGTTAAAGACATGGCAACTGAAAAATCCAAAGGCTAT  
GGTTTTGTATCTTTTATAACAACTGGATGCAGAAAATGCGATTGTGCATATGGGCGGTAGTGGTTGG  
GTGGTCGTCAAATCCGAACCAATTGGGCCACTCGTAAACCACTGCACCTAAAAGTACACAAGAAAAACAA  
CACTAAGCAGTTGAGATTTGAAGATGTAGTAAACCAGTCAAGTCCAAAAAATGTACTGTGTACTGTGGA  
GGAATTGCGTCTGGGTTAACAGATCAGCTTATGAGACAGACATTCTACCATTGGACAAATATGGAAA  
TAAGAGTTTTCCAGAAAAGGGCTATTCATTTGTGAGATTTTCAACCCATGAAAGTGCAGCCCATGCCAT  
TGTTTCGGTGAACGGTACTACGATTGAAGGACATGTGGTAAATGCTATTGGGGTAAAGAATCTCCTGAT  
ATGACTAAAAACTCCAACAGTTGACTATAGTCAATGGGGCCAATGGAGCCAAGTGTATGGAAACCCAC  
AACAGTATGGACAGTATATGGCAAATGGGTGGCAAGTACCGCCTTATGGAGTATACGGGCAACCATGGAA  
TCAACAAGGATTTGGAGTAGATCAATCACCTTCTGCTGCTGGATGGGTGGATTTGGTGCTCAGCTCCC  
CAAGGACAAGCTCCTCCCCTGTAATACCTCCTCCTAACCAAGCCGGATATGGTATGGCAAGTTACCAAA  
CACAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG223971 representing NM\_003252  
 Red=Cloning site Green=Tags(s)

```

MMEDDGQPRTL YVGNLSRDVTEVLILQLFSQIGPCKSCKMITEHTSNDPYCFVEFYEHRDAAAALAMNG
RKILGKEVKVNWATTPSSQK KDTSNH FHFVVDLSPEITTEDIKSAFAPFGKISDARVVKDMATGKSKGY
GFVSYFNK LDAENAI VHMGGQWL GGRQIR TNWATR KPPAPKSTQENNTKQLRFEDVVNQSSPKNCTVYCG
GIASGLTDQLMRQTFSPFGQIMEIRVFPEKGYSFVRFSTHESAHAIVSVNGTTIEGHVVKCYWGKESPD
MTKNFQQVDYSQWQWSQVYGNPQQYGGQYMANGWQVPPYGVYGGQVWQQGFGVDQSPSAAWMGFGAQP
QQQAPPPVIPPNNQAGYGMASYQTQ
  
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_003252

**ORF Size:** 1125 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_003252.3](#)

**RefSeq Size:** 1436 bp

**RefSeq ORF:** 1128 bp

**Locus ID:** 7073

**UniProt ID:** [Q01085](#)

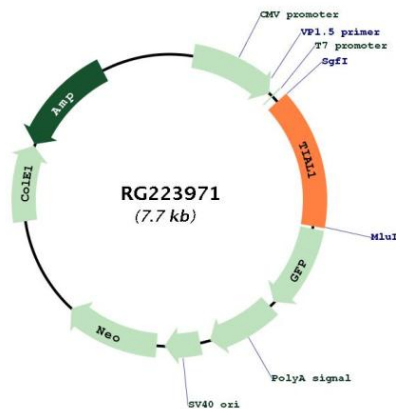
**Cytogenetics:** 10q26.11

**Domains:** RRM, RRM\_1

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** The protein encoded by this gene is a member of a family of RNA-binding proteins, has three RNA recognition motifs (RRMs), and binds adenine and uridine-rich elements in mRNA and pre-mRNAs of a wide range of genes. It regulates various activities including translational control, splicing and apoptosis. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. The different isoforms have been show to function differently with respect to post-transcriptional silencing. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG223971