

Product datasheet for **RG224019**

TIAL1 (NM_001033925) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TIAL1 (NM_001033925) 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: >RG224019 representing NM_001033925
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGAAGACGACGGGCAGCCCCGGACTCTATACGTAGGTAACCTTTCCAGAGATGTGACAGAAGTCC
TTATACTTCAGTTGTTTCAGTCAGATTGGACCCTGTAAAAGCTGTAAAATGATAACAGAGCAACCCGATAG
CAGAAGGGTCAACTCTTCTGTTGGATTTCTGTTTTGCAGCATAACAAGCAATGACCCATATTGCTTTGTG
GAATTTTATGAACACAGAGATGCAGCTGCTGCATTAGCTGCTATGAATGGGAGAAAAATTTGGAAAGG
AGGTCAAAGTAACTGGGCAACCACCAAGTAGCCAGAAAAAGATACTCCAATCACTCCATGTGTT
TGTTGGGGATTTGAGTCCAGAAATTACAACAGAAGATATCAAATCAGCATTGCCCCCTTTGGTAAATA
TCGGATGCCCGGGTAGTTAAAGACATGGCAACTGGAAAAATCCAAAGGCTATGGTTTTGTATCTTTTTATA
ACAAACTGGATGCAGAAAATGCGATTGTGCATATGGGCGGTCAAGTGGTGGTGGTTCGTCAAATCCGAAC
CAATTGGGCCACTCGTAAACCACCTGCACCTAAAAGTACACAAGAAAAACAACACTAAGCAGTTGAGATTT
GAAGATGTAGTAAACCAGTCAAGTCCAAAAATTTGACTGTGTACTGTGGAGGAATTGCGTCTGGTTAA
CAGATCAGCTTATGAGACAGACATTCTCACCATTTGGACAATATGAAATAAAGATTTCCAGAAAA
GGGCTATTCATTTGTGAGATTTTCAACCCATGAAAGTGCAGCCCATGCCATTGTTTCGGTGAACGGTACT
ACGATTGAAGGACATGTGGTAAATGCTATTGGGGTAAAGAATCTCCTGATGACTAAAAACTTCCAAC
AGGTTGACTATAGTCAATGGGGCCAATGGAGCCAAGTGTATGAAACCCACAACAGTATGGACAGTATAT
GGCAAAATGGGTGGCAAGTACCGCTTATGGAGTATACGGGCAACCATGGAATCAACAAGGATTTGGAGTA
GATCAATCACCTTCTGCTGCTTGGATGGTGGATTTGGTGTCTCAGCCTCCCAAGGACAAGCTCCTCCCC
CTGTAATACCTCCTCAACCAAGCCGGATATGGTATGGCAAGTTACCAACACAG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG224019 representing NM_001033925
 Red=Cloning site Green=Tags(s)

MMEDDGGPRTL YVGNLSRDVTEVLILQLFSQIGPCKSCKMITEQPDSRRVNSSVGF SVLQHTSNDPYCFV
 EFYEHRDAAAAL AAMNGRKILGKEVKVNWATTPSSQK KDTSNHFHV FVGDLSPEITTEDIKSAFAPFGKI
 SDARVVKDMATGKSKGYGFVSFYNK LDAENAI VHMGGQWL GGRQIRTNWATR KPPAPKSTQENNTKQLRF
 EDVVNQSSPKNCTVYCGGIASGLTDQLMRQTFSPFGQIMEIRVFPEKGYSFVRFSTHESAHAIVSVNGT
 TIEGHVVKCYWGKESPDMTKNFQQVDYSQWGWQSQVYGNPQQYGYMANGWQVPPYGVYGPWNQQGFV
 DQSPSAAWMGGF GAQPPQGQAPPVIPPNNQAGYGMASYQTQ

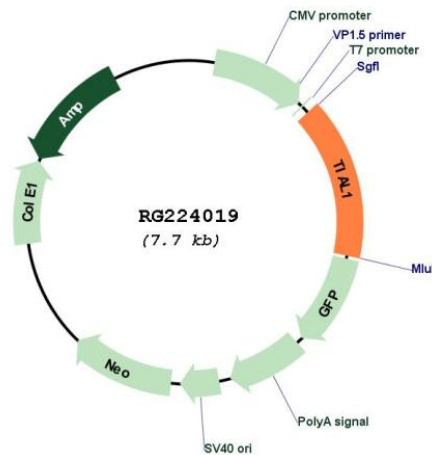
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001033925

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:	<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_001033925.1 , NP_001029097.1
RefSeq Size:	3945 bp
RefSeq ORF:	1179 bp
Locus ID:	7073
UniProt ID:	Q01085
Cytogenetics:	10q26.11
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]