

## Product datasheet for RC224019

### TIAL1 (NM\_001033925) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TIAL1 (NM_001033925) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TIAL1
Synonyms:	TCBP; TIAR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224019 representing NM_001033925 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGGAAGACGACGGGCAGCCCCGGACTCTATACGTAGGTAACCTTTCCAGAGATGTGACAGAAGTCC  
TTATACTTCAGTTGTTTCAGTCAGATTGGACCCTGTAAAAGCTGTAAAATGATAACAGAGCAACCCGATAG  
CAGAAGGGTCAACTCTTCTGTTGGATTTCTGTTTTGCAGCATAACAAGCAATGACCCATATTGCTTTGTG  
GAATTTTATGAACACAGAGATGCAGCTGCTGCATTAGCTGCTATGAATGGGAGAAAAATTTGGAAAGG  
AGGTCAAAGTAACTGGGCAACCACCAAGTAGCCAGAAAAAGATACTCCAATCACTCCATGTGTT  
TGTTGGGGATTTGAGTCCAGAAATTACAACAGAAGATATCAAATCAGCATTGCCCCCTTTGGTAAATA  
TCGGATGCCCGGGTAGTTAAAGACATGGCAACTGGAAAATCCAAAGGCTATGGTTTTGTATCTTTTTATA  
ACAAACTGGATGCAGAAAATGCGATTGTGCATATGGGCGGTCAAGTGGTGGTGGTGGTCAATCCGAAC  
CAATTGGGCCACTCGTAAACCACCTGCACCTAAAAGTACACAAGAAAACAACACTAAGCAGTTGAGATTT  
GAAGATGTAGTAAACCAGTCAAGTCCAAAAATTTGACTGTGTACTGTGGAGGAATTGCGTCTGGTTAA  
CAGATCAGCTTATGAGACAGACATTCTCACCATTTGGACAATATGAAATAAAGATTTCCAGAAAA  
GGGCTATTCATTTGTGAGATTTCAACCCATGAAAGTGCAGCCCATGCCATTGTTTCGGTGAACGGTACT  
ACGATTGAAGGACATGTGGTAAATGCTATTGGGGTAAAGAATCTCCTGATGACTAAAAACTTCCAAC  
AGGTTGACTATAGTCAATGGGGCCAATGGAGCCAAGTGTATGAAAACCCACAACAGTATGGACAGTATAT  
GGCAAAATGGTGCAAGTACCGCTTATGGAGTATACGGGCAACCATGGAATCAACAAGGATTTGGAGTA  
GATCAATCACCTTCTGCTGCTTGGATGGTGGATTTGGTCTCAGCCTCCCAAGGACAAGCTCCTCCCC  
CTGTAATACCTCCTCAACCAAGCCGGATATGGTATGGCAAGTTACCAACACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_001033925.1](#), [NP\\_001029097.1](#)

**RefSeq Size:** 3945 bp

**RefSeq ORF:** 1179 bp

**Locus ID:** 7073

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

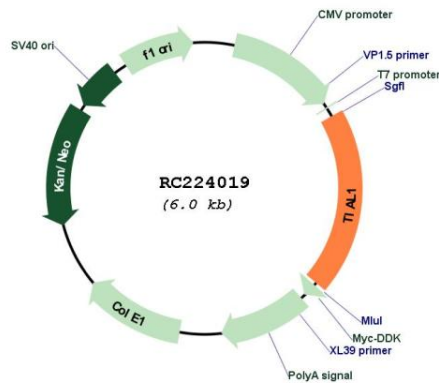
**Cytogenetics:** 10q26.11

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

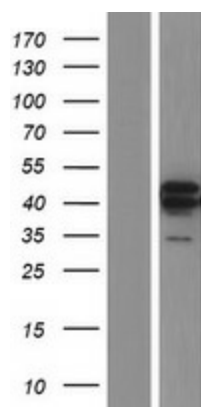
**MW:** 43.3 kDa

**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 RC224019



Western blot validation of overexpression lysate (Cat# [LY422428]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224019 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).