

Recombinant Human TIA1 cytotoxic granule-associated RNA binding protein-like 1, His-tagged

Cat. No. TIAL1-683H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TIAL1, 1-375aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-375 a.a.
Description	TIAL1 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. Recombinant human TIAL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In Phosphate buffered saline (pH7.4) containing, 50% glycerol, 2mM DTT, 1mM EDTA
Molecular Mass	44.0kDa (398aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMMEDDGQ PRTLYVGNLS RDVTEVLILQ LFSQIGPCKS CKMITEHTSN DPYCFVEFYE HRDAAAALAA MNGRKILGKE

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VKVNWATTPS SQKKDTSNHF HVFVGDLSP E ITTEDIKSAF APFGKISDAR
 VVKDMATGKS KGYGFVSFY N KLDAENAIVH MGGQWLGGRR IRTNWATRKP
 PPKSTQENN TKQLRFEDVV NQSSPKNCTV YCGGIASGLT DQLMRQTFSP
 FGQIMEIRVF PEKGYSFVRF STHESAHAH VSVNGTTIEG HVVKCYWGKE
 SPDMTKNFQQ VDYSQWGQWS QVYGNPQQYG QYMANGWQVP PYGVYGPWN
 QQGFGVDQSP SAAWMGGFGA QPPQGQAPPP VIPPPNQAGY GMASYQTQ

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [TIAL1](#) TIA1 cytotoxic granule-associated RNA binding protein-like 1 [Homo sapiens]

Official Symbol TIAL1

Synonyms TIAL1; TIA1 cytotoxic granule-associated RNA binding protein-like 1; TIA1 cytotoxic granule associated RNA binding protein like 1; nucleolysin TIAR; TIAR; T-cluster binding protein; TIA-1-related nucleolysin; aging-associated gene 7 protein; TCBP; MGC33401;

Gene ID [7073](#)

mRNA Refseq [NM_001033925](#)

Protein Refseq [NP_001029097](#)

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MIM	603413
UniProt ID	Q01085
Chromosome Location	10q
Function	RNA binding; nucleic acid binding; nucleotide binding;

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