

Product information

TIAL1, 1-375aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2906

Full name: TIA1 cytotoxic granule-associated RNA binding protein-like 1 **NCBI Accession No.:** NP_003243

Synonyms: TCBP, TIAR

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 shown 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.

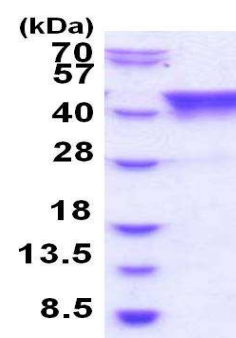
Form: Liquid. In Phosphate buffered saline (pH7.4) containing,

50% glycerol, 2mM DTT, 1mM EDTA

Molecular Weight: 44.0kDa (398aa) confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMMEDDQ PRTLYVGNLS RDVTEVLILQ LFSQIGPCKS CKMITEHTSN DPYCFVEFYE HRDAAAALAA
MNGRKILGKE VKVNWATTPS SQKQDTSNHF HVFVGDLSPE ITTEDIKSAF APFGKISDAR VVKDMATGKS KGYGFVSFYH KLDAENAIHV
MGGQWLGGRR IRTNWATRPK PAKSTQENN TKQLRFEDVV NQSSPKNCTV YCGGIASGLT DQLMRQTFSP FGQIMEIRVF PEKGYSEVRF
STHESAAHAI VSVNGTTIEG HVVKCYWGKE SPDMTKNFQQ VDYSQWGWQS QVYGNPQQYG QYMANGWQVP PYGVYQGPWN QQGFQVDQSP
SAAWMGGFGA QPPQQQAPPP VIPPPNQAGY GMASYQTQ

General references:

Kim HS., *et al.* (2013) *RNA Biol* 10 (4), 579-589

Singh NN., *et al.* (2011) *Mol. Cell. Biol.* 31 (5), 935-954

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

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.