

AR51726PU-N

Human TIAL1 (1-375, His-tag) - Purified

Alternate names:

Nucleolysin TIAR, TIA-1-related protein

Quantity:

0.5 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q01085](#)

NCBI:

[NP_003243](#)

GeneID:

[7073](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: Phosphate buffered saline (pH7.4) containing, 50% glycerol, 2mM DTT, 1mM EDTA.

Description:

Recombinant human TIAL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMMEDDQG PRTLYVGNLS RDVTEVLILQ LFSQIGPCKS
CKMITEHTSN DPYCFVEFYE HRDAAAALAA MNGRKILGKE VKVNWATTPS SQKKDTSNHF
HVFVGDLSPE ITTEDIKSAF APFGKISDAR VVKDMATGKS KGYGFVSFYK KLDNAENAIKH
MGGQWLGGRR IRTNWATRKP PAPKSTQENN TKQLRFEDVV NQSSPKNCTV YCGGIASGLT
DQLMRQTFSP FGQIMEIRVF PEKGYSFVRF STHESAHAH VSVNGTTIEG HGVKCYWGKE
SPDMTKNFQQ VDYSQWGWQS QVYGNPQQYG QYMANGWQVP PYGVYGPWN QGFGVDQSP
SAAWMGGFGA QPPQGQAPPP VIPPPNQAGY GMASYQTQ

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

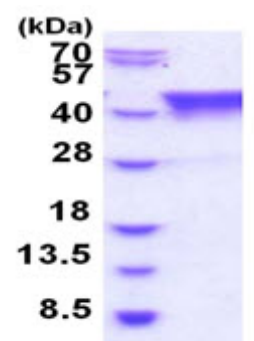
Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Kim HS., et al. (2013) RNA Biol 10 (4), 579-589 Singh NN., et al. (2011) Mol. Cell. Biol. 31 (5), 935-954

Pictures:



15% SDS-PAGE (3ug)