

TIAL1, 1-375aa Human, His tag, E.coli

Cat.NO.: TP04214

3th Edition

Synonyms:TIA1 cytotoxic granule-associated RNA binding protein-like 1, 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 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 Weight:44.0kDa (398aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMMEDDGQPRTLYVGNLSRDVTEVLILQLFSQIGPCKSCKMITEHTSNDPYCF
VEFYEHRDAAAALAAMNGRKILGKEVKVNWATTPSSQKKDTSNHFHVFGDLSPEITTEDIKSAFAPFGKISDARVV
KDMATGKSKGYGFVSFYKLDNAENAIIVHMGGQWLGGRRQIRTNWATRKPPAPKSTQENNTKQLRFEDVVNQSSPK
NCTVYCGGIASGLTDQLMRQTFSPFGQIMEIRVFPEKGYSFVRFSTHESAHAIVSVNGTTIEGHVVKCYWGKESP
DMTKNFQQVDYSQWGWWSQVYGNPQQYGQYMANGWQVPPYGVYGGPWNQQGFGVDQSPSAAWMGGFGAQ
PPQQQAPPPVIPPNNQAGYGMASYQTQ

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.