
Product Data Sheet

Product Name: TIAL1 Human
 Cat. No.: GP24834
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	TCBP; TIAR; TIA1 cytotoxic granule-associated RNA binding protein-like 1; TIA-1-related protein.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMMEDDGQ PRTLYVGNLS RDVTEVLILQ LFSQIGPCKS CKMITEHTSNDPYCFVEFYE HRDAAAALAA MNGRKILGKE VKVNWATTPS SQKKDTSNHF HVFVGDLSPE ITTEDIKSAFAPFGKISDAR VVKDMATGKS KGYGFVSFYK KLDAENAIVH MGGQWLGGRR IRTNWATRKP PPKSTQENNTKQLRFEDVV NQSSPKNCTV YCGGIASGLT DQLMRQTFSP FGQIMEIRVF PEKGYSFVRF STHESAAHAIVSVNGTTIEG HVVKCYWGKE SPDMTKNFQQ VDYSQWGQWS QVYGNPQQYG QYMANGWQVP PYGVYGPWNQQGFGVDQSP SAAWMGGFGA QPPQGQAPPP VIPPPNQAGY GMASYQTQ.		
Formulation	TIAL1 protein solution (0.5mg/ml) containing Phosphate buffered saline (pH7.4), 50% glycerol, 2mM DTT and 1mM EDTA .		

Introduction

TIAL1 belongs to a family of RNA-binding proteins, it has 3 RNA recognition motifs (RRMs), and binds adenine and uridine-rich elements in mRNA and pre-mRNAs of a extensive range of genes. TIAL1 regulates a variety of activities including translational control, splicing and apoptosis. TIAL1 different isoforms function differently with respect to post-transcriptional silencing.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

TIAL1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 398 amino acids (1-375 a.a) and having a molecular mass of 44.0kDa. TIAL1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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