

Datasheet for ABIN7556692
TIAL1 Protein (AA 1-392) (His tag)



[Go to Product page](#)

Overview

| | |
|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | TIAL1 |
| Protein Characteristics: | AA 1-392 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This TIAL1 protein is labelled with His tag. |

Product Details

| | |
|--------------|--|
| Purpose: | Custom-made recombinant Tial1 Protein expressed in mammalian cells. |
| Sequence: | MMEDDGQPRT LYVGNLSRDV TEVLILQLFS QIGPCKSCKM ITEQPDSRRV NSSVGFSVLQ HTSNDPYCFV EFYEHRDAAA ALAAMNGRKI LGKEVKVNW A TTPSSQKKDT SNHFHV FVGD LSPEITTEDI KSAFAPFGKI SDARVVKDMA TGKSKGYGFV SFYNK LDAEN AIVHMGGQWL GGRQIRTNWA TRKPPAPKST QETNTKQLRF EDVVNQSSPK NCTVYCGGIA SGLTDQLMRQ TFSPFGQIME IRVFPKGY S FVRFSTHESA AHAI VSVNGT TIEGHVVKCY WGKESPDMTK NFQQVDYSQW GQWSQVYGNP QQYGQYMANG WQVPPYGVY G QPWNQQGFGV DQSPSAAWMG GFGAQPPQGQ APPPVIPPPN QAGYGMASFP TQ Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us. |
| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer. |

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

TIAL1

Alternative Name:

Tial1 ([TIAL1 Products](#))

Background:

Nucleolysin TIAR (TIA-1-related protein),FUNCTION: RNA-binding protein involved in alternative pre-RNA splicing and in cytoplasmic stress granules formation (By similarity). Shows a preference for uridine-rich RNAs (By similarity). Activates splicing of alternative exons with weak 5' splice sites followed by a U-rich stretch on its own pre-mRNA and on TIA1 mRNA (PubMed:11514562). Promotes the inclusion of TIA1 exon 5 to give rise to the long isoform (isoform a) of TIA1 (PubMed:17488725). Acts downstream of the stress-induced phosphorylation of EIF2S1/EIF2A to promote the recruitment of untranslated mRNAs to cytoplasmic stress granules (SG) (By similarity). Possesses nucleolytic activity against cytotoxic lymphocyte target cells (By similarity). May be involved in apoptosis (By similarity). {ECO:0000250|UniProtKB:Q01085, ECO:0000269|PubMed:11514562, ECO:0000269|PubMed:17488725}.

Molecular Weight:

43.4 kDa

UniProt:

[P70318](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
