

Datasheet for ABIN7544377
TIAL1 Protein (AA 1-375) (His tag)



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Overview

Quantity:	1 mg
Target:	TIAL1
Protein Characteristics:	AA 1-375
Origin:	Human
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:	MMEDDGQPR T LYVGNLSRDV TEVLILQLFS QIGPCKSCKM ITEHTSNDPY CFVEFYEHRD AAAAAAMNG RKILGKEVKV NWATTPSSQK KDTSNHFHVF VGDLSPEITT EDIKSAFAPF GKISDARVVK DMATGKSKGY GFVSFYNKLD AENAIVHMGG QWLGGRQIRT NWATRKPPAP KSTQENNTKQ LRFEDVWNQS SPKNCTVYCG GIASGLTDQL MRQTFSPFGQ IMEIRVFPEK GYSFVRFSTH ESAAHAI VSV NGTTIEGHVV KCYWGKESPD MTKNFQQVDY SQWGQWSQVY GNPQQYGQYM ANGWQVPPYG VYQPWNQGG FGVDQSPSAA WMGGFGAQPP QGQAPPPVIP PPNQAGYGMA SYQTQ 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.
Characteristics:	Key Benefits:

Product Details

- 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)
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Grade:	custom-made
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Target Details

Target:	TIAL1
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Alternative Name:	TIAL1 (TIAL1 Products)
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Background:	<p>Nucleolysin TIAR (TIA-1-related protein),FUNCTION: RNA-binding protein involved in alternative pre-RNA splicing and in cytoplasmic stress granules formation (PubMed:1326761, PubMed:8576255, PubMed:17488725, PubMed:10613902). Shows a preference for uridine-rich RNAs (PubMed:8576255). 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 (By similarity). 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) (PubMed:10613902). Possesses nucleolytic activity against cytotoxic lymphocyte target cells (PubMed:1326761). May be involved in apoptosis (PubMed:1326761).</p> <p>{ECO:0000250 UniProtKB:P70318, ECO:0000269 PubMed:10613902, ECO:0000269 PubMed:1326761, ECO:0000269 PubMed:17488725, ECO:0000269 PubMed:8576255}.</p>
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Molecular Weight:	41.6 kDa
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Target Details

UniProt: [Q01085](#)

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