

Datasheet for ABIN3134910

## TRAF3IP1 Protein (AA 1-625) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	TRAF3IP1
Protein Characteristics:	AA 1-625
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRAF3IP1 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Brand:	AliCE®
Sequence:	<p>MNAAVVRRRTQ EALGKVIRRP PLTEKLLNKP PFRYLHDIIT EVIRITGFMK GLYTDAEMKS</p> <p>ENVKDKDAKI SFLQKAIDVV MMVSGEPLAA KPARIVAGHE PERTNELLQL IGKCCLSKLS</p> <p>SDEAVKRVLA GDKGDSRGRA QRTSKAQEPN NKSNGKEESR IHKEDKRSSE AKERSASAEH</p> <p>KQKEELKEDS KPREKERDKE KAKEADRRH RDPDRDRNRD GEREKARARA KDRDRNNRDR</p> <p>DREAERDRER DRRSEGGKEK ERVKDRDRDR DKGRDRERRK SKNGEHTRDP DREKSRDADK</p> <p>PEKKSSSSGE ISRKLSGDSF KDVKAEMEAD ISVGASRSST LKPSKRRSKH SLEGDSPSDA</p> <p>EVEAGPAGQD KPEVMENAEV PSELPSSLRR IPRPGSARPA PPRVKRQUEST ETLVDRSGS</p> <p>GKTVSSVIID SQNSDNEDDE QFVVEAAPQL SEIADIDMVP SGELEDEEKH GGLVKKILET</p> <p>KKDYEKLQQS LKPGEKERSL IFESAWKKEK DIVSKEIEKL RVSIQTLCKS ALPLGKIMDY</p> <p>IQEDVDAMQN ELQLWHSENR QHAEALSQEQ SITDSAVEPL KAELSELEQQ IRDQQDKICA</p> <p>VKANILKNEE KIQKMHVSIN LSSRR</p>

**Sequence without tag. The proposed Strep-Tag is based on experience s 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.**

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### Characteristics:

#### Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

#### Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

#### Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the ExPASy's ProtParam tool to determine the absorption coefficient of each protein.

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### Purification:

One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).

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### Purity:

> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).

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## Product Details

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Grade: custom-made

## Target Details

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Target: TRAF3IP1

Alternative Name: Traf3ip1 ([TRAF3IP1 Products](#))

Background: TRAF3-interacting protein 1 (Intraflagellar transport protein 54 homolog) (Microtubule-interacting protein associated with TRAF3) (MIP-T3),FUNCTION: Plays an inhibitory role on IL13 signaling by binding to IL13RA1. Involved in suppression of IL13-induced STAT6 phosphorylation, transcriptional activity and DNA-binding. Recruits TRAF3 and DISC1 to the microtubules (By similarity). Involved in epithelial morphogenesis and in the regulation of microtubule cytoskeleton organization. Is a negative regulator of microtubule stability, acting through the control of MAP4 levels (PubMed:26487268). Involved in ciliogenesis (PubMed:21945076). {ECO:0000250|UniProtKB:Q8TDR0, ECO:0000269|PubMed:21945076, ECO:0000269|PubMed:26487268}.

Molecular Weight: 71.0 kDa

UniProt: [Q149C2](#)

Pathways: [Hedgehog Signaling](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol <b>Might differ depending on protein.</b>
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months