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Datasheet for ABIN7544149

**TRAF3IP3 Protein (AA 1-551) (His tag)**

## Overview

Quantity:	1 mg
Target:	TRAF3IP3
Protein Characteristics:	AA 1-551
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRAF3IP3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat TRAF3IP3 Protein expressed in mammalian cells.
Sequence:	MISPDPRPSP GLARWAESYE AKCERRQEIR ESRRCRPNVT TCRQVGKTLR IQQREQLQRA RLQQFFRRRN LELEEKGKAQ HPQAREQGPS RRPQVTVLK EPLSCARRIS SPREQVTGTS SEVFPAQHPP PSGICRDLSD HLSSQAGGLP PQDTPIKKPP KHHRGTQTKA EGPTIKNDAS QQTNYGVAVL DKEIIQLSDY LKEALQRELV LKQKMVILQD LLSTLIQASD SSWKGQLNED KLKGLRSLE NQLYTCTQKY SPWGMKKVLL EMEDQKNSYE QKAKESLQKV LEEKMNAEQQ LQSTQRSLAL AEQKCEEWRS QYEALKEDWR TLGTQHRELE SQLHVLQSKL QGADSRDLQM NQALRFLENE HQQLQAKIEC LQGDRDLCSL DTQDLQDQLK RSEAELTLV TRVQQLQGLL QNQSLQLQEQ EKLLTKKDQA LPVWSPKSFV NEVEPEGTGK EKDWDLRDQL QKKTLLQAK EKECRELHSE LDNLSDEYLS CLRKLQHCRE ELNQSQQLPP RRQCGRWLPV LMVVIAAALA VFLANKDNLM   <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</b>

## Product Details

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**another tag necessary. In case you have a special request, please contact us.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

TRAF3IP3

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### Alternative Name:

TRAF3IP3 ([TRAF3IP3 Products](#))

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### Background:

TRAF3-interacting JNK-activating modulator (TRAF3-interacting protein 3),FUNCTION: Adapter protein that plays essential roles in both innate and adaptive immunity. Plays a crucial role in the regulation of thymocyte development (PubMed:26195727). Mechanistically, mediates TCR-stimulated activation through recruiting MAP2K1/MEK1 to the Golgi and, thereby, facilitating the interaction of MAP2K1/MEK1 with its activator BRAF (PubMed:26195727). Also plays an essential role in regulatory T-cell stability and function by recruiting the serine-threonine phosphatase catalytic subunit (PPP2CA) to the lysosome, thereby facilitating the interaction of PP2Ac with the mTORC1 component RPTOR and restricting glycolytic metabolism (PubMed:30115741). Positively regulates TLR4 signaling activity in macrophage-mediated inflammation by acting as a molecular clamp to facilitate LPS-induced translocation of TLR4 to lipid rafts (PubMed:30573680). In response to viral infection, facilitates the recruitment of TRAF3 to MAVS within mitochondria leading to IRF3 activation and interferon production

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## Target Details

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(PubMed:31390091). However, participates in the maintenance of immune homeostasis and the prevention of overzealous innate immunity by promoting 'Lys-48'-dependent ubiquitination of TBK1 (PubMed:32366851). {ECO:0000269|PubMed:26195727, ECO:0000269|PubMed:30115741, ECO:0000269|PubMed:30573680, ECO:0000269|PubMed:31390091, ECO:0000269|PubMed:32366851}.

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Molecular Weight: 63.6 kDa

UniProt: [Q9Y228](#)

## 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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Restrictions: For Research Use only

## Handling

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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