

[Go to Product page](#)

Datasheet for ABIN7544675  
**TRAF7 Protein (AA 1-670) (His tag)**

## Overview

Quantity:	1 mg
Target:	TRAF7
Protein Characteristics:	AA 1-670
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRAF7 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat TRAF7 Protein expressed in mammalian cells.
Sequence:	MSSGKSARYN RFSGGPSNLP TPDVTTGTRM ETTFGPAFSA VTTITKADGT STYKQHCRTPL SSSSTLAYSP RDEEDSMPPPI STPRRSDSAI SVRSLHSESS MSLRSTFSLP EEEEEPEPLV FAEQPSVKLC CQLCCSVFKD PVITTCGHTF CRRALKSEK CPVDNVKLTV VVNNIAVAEQ IGELFIHCRH GCRVAGSGKP PIFEVDPRGC PFTIKLSARK DHEGSCDYRP VRCPNNPSCP PLLRMNLEAH LKECEHIKCP HSKYGCTFIG NQDTYETHLE TCRFEGLEKEF LQQTDDRFHE MHVALAQKDQ EIAFLRMLG KLSEKIDQLE KSLELKFDVL DENQSKLSED LMEFRRDASM LNDELSHINA RLNMGILGSY DPQQIFKCKG TFGVHQGPVW CLCVYSMGDL LFGSSDKTI KVVDTCTTYK CQKTLEHGDG IVLALCIQGC KLYSGSADCT IIVWDIQNLQ KVNTIRAHDN PVCTLVSSHV VLFSGSLKAI KVWDIVGTEL KLKELTGLN HWVRALVAAQ SYLYSGSYQT IKIWDIRTLD CIHVLQTSYG SVYSIAVTNH HIVCGTYENL IHVWDIESKE QVRTLTGHVG TVYALAVIST PDQTKVFSAS YDRSLRVWSM DNMICTQTL RHQGSVTALA VSRGRLFSGA

VDSTVKVWTC **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.**

### 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, Western Blot

### Grade:

custom-made

## Target Details

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### Target:

TRAF7

### Alternative Name:

TRAF7 ([TRAF7 Products](#))

### Background:

E3 ubiquitin-protein ligase TRAF7 (EC 2.3.2.-) (EC 2.3.2.27) (RING finger and WD repeat-containing protein 1) (RING finger protein 119) (RING-type E3 ubiquitin transferase TRAF7) (TNF receptor-associated factor 7),FUNCTION: E3 ubiquitin and SUMO-protein ligase that plays a role in different biological processes such as innate immunity, inflammation or apoptosis (PubMed:15001576, PubMed:37086853). Potentiates MAP3K3-mediated activation of JUN/AP1 and DDIT3 transcriptional regulators (PubMed:14743216). Negatively regulates MYB transcriptional activity by sequestering it to the cytosol via SUMOylation (By similarity). Plays a role in the phosphorylation of MAPK1 and/or MAPK3, probably via its interaction with MAP3K3. Negatively regulates RLR-mediated innate immunity by promoting 'Lys-48'-linked ubiquitination of TBK1 through its RING domain to inhibit the cellular antiviral response (PubMed:37086853).

## Target Details

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Promotes 'Lys-29'-linked polyubiquitination of NEMO/IKBKG and RELA leading to targeting these two proteins to lysosomal degradative pathways, reducing the transcriptional activity of NF-kappa-B (PubMed:21518757). {ECO:0000250|UniProtKB:Q922B6, ECO:0000269|PubMed:14743216, ECO:0000269|PubMed:15001576, ECO:0000269|PubMed:21518757, ECO:0000269|PubMed:29961569, ECO:0000269|PubMed:37086853}.

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Molecular Weight: 74.6 kDa

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UniProt: [Q6Q0C0](#)

## 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

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months