

Product datasheet

Recombinant Human TRAF1 protein ab95858

1 Image

Overview

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<b>Product name</b>	Recombinant Human TRAF1 protein
<b>Protein length</b>	Protein fragment

Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli

Amino Acid Sequence

<b>Accession</b>	<a href="#">Q13077</a>
<b>Species</b>	Human
<b>Sequence</b>	<b>MGSSHHHHHH SSGLVPRGSH MDGTFLWKIT</b> NVTRRCHESA CGRTVSLFSP AFYTAKYGYK LCLRLYLNGD GTGKRTHLSL FMIMRGEYD ALLPWPFRNK VTFMLLDQNN REHAIDAFRP DLSSASFQRP QSETNVASGC PLFFPLSKLQ SPKHAYVKDD TMFLKCVET ST
<b>Molecular weight</b>	20 kDa including tags
<b>Amino acids</b>	266 to 416
<b>Tags</b>	His tag N-Terminus

Specifications

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Our [Abpromise guarantee](#) covers the use of **ab95858** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Mass Spectrometry
<b>Purity</b>	> 95 % SDS-PAGE. ab95858 is purified using conventional chromatography techniques.
<b>Form</b>	Liquid

Preparation and Storage

## Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Preservative: None

Constituents: 20% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0

## General Info

### Function

Adapter molecule that regulates the activation of NF-kappa-B and JNK. Plays a role in the regulation of cell survival and apoptosis. The heterotrimer formed by TRAF1 and TRAF2 is part of a E3 ubiquitin-protein ligase complex that promotes ubiquitination of target proteins, such as MAP3K14. The TRAF1/TRAF2 complex recruits the antiapoptotic E3 protein-ubiquitin ligases BIRC2 and BIRC3 to TNFRSF1B/TNFR2.

### Sequence similarities

Contains 1 MATH domain.

### Domain

The coiled coil domain mediates homo- and hetero-oligomerization.

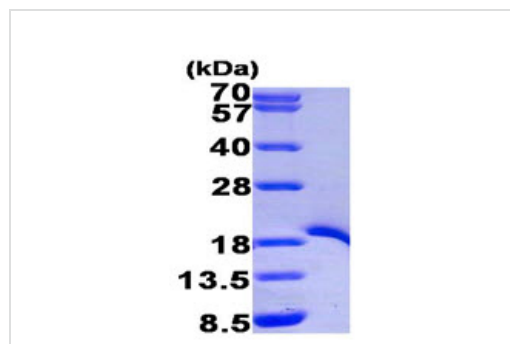
The MATH/TRAF domain binds to receptor cytoplasmic domains.

Cleavage by CASP8 liberates a C-terminal fragment that promotes apoptosis and inhibits the activation of NF-kappa-B in response to TNF signaling.

### Post-translational modifications

Polyubiquitinated by BIRC2 and/or BIRC3, leading to its subsequent proteasomal degradation.

## Images



15% SDS-PAGE showing ab95858 at approximately 19.5kDa (3µg).

SDS-PAGE - TRAF1 protein (His tag) (ab95858)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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