

Product datasheet

Recombinant Human TRAF1 protein ab95858

1 Image

Overview

Product name	Recombinant Human TRAF1 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

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

Specifications

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.

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

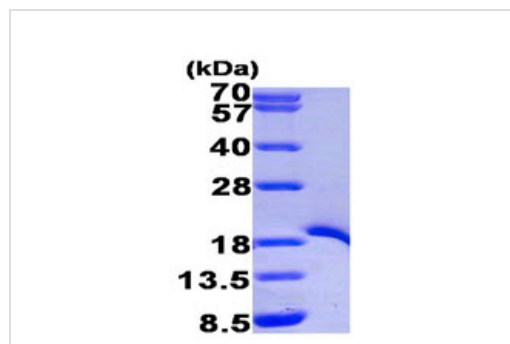
The MATH/TRAF domain binds to receptor cytoplasmic domains.

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)

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