

## Recombinant Human TRAF2, His-tagged

Cat. No. TRAF2-31601TH Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

Recombinant full length Human TRAF2 with N-terminal His tag expressed by Baculovirus in Sf9 insect cells, MWt 59 kDa.

#### Species

Human

#### Description

The protein encoded by this gene is a member of the TNF receptor associated factor (TRAF) protein family. TRAF proteins associate with, and mediate the signal transduction from members of the TNF receptor superfamily. This protein directly interacts with TNF receptors, and forms a heterodimeric complex with TRAF1. This protein is required for TNF-alpha-mediated activation of MAPK8/JNK and NF-kappaB. The protein complex formed by this protein and TRAF1 interacts with the inhibitor-of-apoptosis proteins (IAPs), and functions as a mediator of the anti-apoptotic signals from TNF receptors. The interaction of this protein with TRADD, a TNF receptor associated apoptotic signal transducer, ensures the recruitment of IAPs for the direct inhibition of caspase activation. BIRC2/c-IAP1, an apoptosis inhibitor possessing ubiquitin ligase activity, can ubiquitinate and induce the degradation of this protein, and thus potentiate TNF-induced apoptosis. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of only one transcript has been determined.

#### Conjugation

HIS

#### Form

Liquid

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<b>Storage buffer</b>	Preservative: 150mM Imidazole Constituents: 25% Glycerol, 50mM Sodium phosphate, 300mM Sodium chloride, 2mM DTT, 0.1mM PMSF, pH 7.0
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequence Similarities</b>	Belongs to the TNF receptor-associated factor family. A subfamily. Contains 1 MATH domain. Contains 1 RING-type zinc finger. Contains 2 TRAF-type zinc fingers.
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	TRAF2 TNF receptor-associated factor 2 [ Homo sapiens ]
<b>Official Symbol</b>	TRAF2
<b>Synonyms</b>	TRAF2; TNF receptor-associated factor 2; TRAP3;
<b>Gene ID</b>	7186
<b>mRNA Refseq</b>	NM_021138
<b>Protein Refseq</b>	NP_066961
<b>MIM</b>	601895
<b>Uniprot ID</b>	Q12933
<b>Chromosome Location</b>	9q34

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**Pathway**

Activation of Pro-Caspase 8, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem;

**Function**

CD40 receptor binding; enzyme binding; identical protein binding; ligase activity; metal ion binding;

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