

Recombinant Human TRAF1, His-tagged

Cat. No. TRAF1-29978TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human TRAF1 fused to a 21 amino acid His tag at the N terminus; 172aa, 19.5 kDa.
Species	Human
Source	E.coli
ProteinLength	151 amino acids
Description	The protein encoded by this gene is a member of the TNF receptor (TNFR) associated factor (TRAF) protein family. TRAF proteins associate with, and mediate the signal transduction from various receptors of the TNFR superfamily. This protein and TRAF2 form a heterodimeric complex, which is required for TNF-alpha-mediated activation of MAPK8/JNK and NF-kappaB. The protein complex formed by this protein and TRAF2 also interacts with inhibitor-of-apoptosis proteins (IAPs), and thus mediates the anti-apoptotic signals from TNF receptors. The expression of this protein can be induced by Epstein-Barr virus (EBV). EBV infection membrane protein 1 (LMP1) is found to interact with this and other TRAF proteins; this interaction is thought to link LMP1-mediated B lymphocyte transformation to the signal transduction from TNFR family receptors. Three transcript variants encoding two different isoforms have been found for this gene.
Conjugation	HIS
Molecular Weight	19.500kDa

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Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 0.58% Sodium chloride, 0.02% DTT, 20% Glycerol
Storage	Please see Notes section
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMDGTFLWKITNVTRRCHESA CGRTVSLFSPA FYTA KYGYKLCLRLYLNGDGTGKRTHLSL FIVIMRGEYDALLPWPFRNKVTFMLLDQNNR EHAIDAFRP DLSSASFQRPQSETNVASGCPLFFPLSKLQSPKHAYVKDD TMFLKCI VETST
Sequence Similarities	Contains 1 MATH domain.

GENE INFORMATION

Gene Name	TRAF1 TNF receptor-associated factor 1 [Homo sapiens]
Official Symbol	TRAF1
Synonyms	TRAF1; TNF receptor-associated factor 1; EBI6;
Gene ID	7185
mRNA Refseq	NM_005658
Protein Refseq	NP_005649
MIM	601711

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Uniprot ID	Q13077
Chromosome Location	9q33-q34
Pathway	Apoptosis, organism-specific biosystem; CD40/CD40L signaling, organism-specific biosystem; HIV-1 Nef: Negative effector of Fas and TNF-alpha, organism-specific biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem;
Function	protein binding; zinc ion binding;

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