

Recombinant Human TNF receptor-associated factor 3 Protein, His tagged

Cat. No. TRAF3-060H Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant human TRAF3 protein (Q13114) (Arg 341-Pro 568) with a His tag at the C-terminus was expressed in E. coli.

Species

Human

Source

E.coli

ProteinLength

341-568aa

Description

Cytoplasmic E3 ubiquitin ligase that regulates various signaling pathways, such as the NF-kappa-B, mitogen-activated protein kinase (MAPK) and interferon regulatory factor (IRF) pathways, and thus controls a lot of biological processes in both immune and non-immune cell types. In TLR and RLR signaling pathways, acts as an E3 ubiquitin ligase promoting the synthesis of 'Lys-63'-linked polyubiquitin chains on several substrates such as ASC that lead to the activation of the type I interferon response or the inflammasome. Following the activation of certain TLRs such as TLR4, acts as a negative NF-kappa-B regulator, possibly to avoid unregulated inflammatory response, and its degradation via 'Lys-48'-linked polyubiquitination is required for MAPK activation and production of inflammatory cytokines. Alternatively, when TLR4 orchestrates bacterial expulsion, TRAF3 undergoes 'Lys-33'-linked polyubiquitination and subsequently binds to RALGDS, mobilizing the exocyst complex to rapidly expel intracellular bacteria back for clearance.

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Tag	C-His
Molecular Mass	27.5 kDa
Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 μg/mL in sterile water.
GENE INFORMATION	
Gene Name	TRAF3 TNF receptor-associated factor 3 [Homo sapiens (human)]
Official Symbol	TRAF3
Synonyms	TRAF3; TNF receptor-associated factor 3; CAP 1; CD40bp; CRAF1; LAP1; CD40 binding protein; CD40 associated protein 1; LMP1-associated protein 1; CD40 receptor associated factor 1; CAP-1;
Gene ID	7187
mRNA Refseq	NM_001199427

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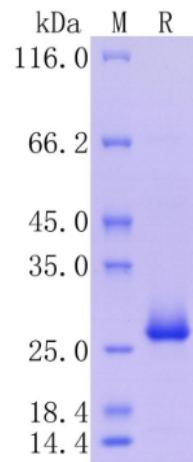
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Protein Refseq NP_001186356

MIM 601896

UniProt ID Q13114

Protein on SDS-PAGE under reducing (R) condition.



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