

## TRAF3 Protein, Human, Recombinant

## General Information

Synonyms:	LMP1-associated protein 1 (LAP1);CD40 receptor-associated factor 1 (CRAF1);TNF receptor-associated factor 3;CAP-1;TRAFAMN;TRAF3;RING-type E3 ubiquitin transferase TRAF3;CRAF1;CD40-binding protein (CD40BP)
Protein Construction:	1-568 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q13114
Molecular Weight:	64.6 kDa (predicted)
AA Sequence:	MESSKKMDSPGALQTNPPLKLHTDRSAGTPVVFVPEQGGYKEKFKVKTVEDKYKCEKCHLVLCSPKQTECGHRF CESCMAALLSSSSPKCTACQESIVKDKVFKDNCKREILALQIYCRNESRGCAEQLMLGHLLVHLKNDCHFEEL PCVRPDCKEKVLRLKDLRDHVEKACKYREATCSHCKSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLRSELS AHLSECVNAPSTCSFKRYGCVFQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLQNESVEKNKSIQSL HNQICSFEIEIERQKEMLRNNEKILHLQRVIDSQAEKLELDKEIRPFRQNWEEADSMKSSVESLQNRVTELES VDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIWKIRDYKRRKQEAVMGKT LSLYSQPFYTYFGYKMCARVYLNQDGMGKGTHLSLFFVIMRGEYDALLPWPFKQKVTLMMLMDQGSSRRHL GDAFKPDPNSSSFKKPTGEMNIASGCPVFAQTVLENGTYIKDDTIFIKVIVDTSDLPDP

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

## Preparation and Storage

## Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Regulates pathways leading to the activation of NF-kappa-B and MAP kinases, and plays a central role in the regulation of B-cell survival. Part of signaling pathways leading to the production of cytokines and interferon. Required for normal antibody isotype switching from IgM to IgG. Plays a role T-cell dependent immune responses. Plays a role in the regulation of antiviral responses. Is an essential constituent of several E3 ubiquitin-protein ligase complexes. May have E3 ubiquitin-protein ligase activity and promote 'Lys-63'-linked ubiquitination of target proteins. Inhibits activation of NF-kappa-B in response to LTBR stimulation. Inhibits TRAF2-mediated activation of NF-kappa-B. Down-regulates proteolytic processing of NFKB2, and thereby inhibits non-canonical activation of NF-kappa-B. Promotes ubiquitination and proteasomal degradation of MAP3K14.

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