

Active Recombinant Human TNF protein, His-tagged

Cat. No. TNF-3315H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNF protein(Val77-Leu233), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	77-233 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1. Recombinant Human TNF-alpha induces cytotoxicity in the L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is 0.90-3.60 ng/mL, corresponding to a specific activity of 2.78×10^5 – 1.11×10^6 units/mg. 2. At concentrations ranging from 0.01 to 5 ng/mL, M5 factor (IL1A, IL17A, IL22, TNFα, OSM) promotes the proliferation of HaCaT cells.
Molecular Mass	18.19 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months,

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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at 2-8°C for up to 1 week.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name [TNF tumor necrosis factor \[Homo sapiens \]](#)

Official Symbol [TNF](#)

Synonyms TNF; tumor necrosis factor; TNFA, tumor necrosis factor (TNF superfamily, member 2); DIF; TNF superfamily, member 2; TNF alpha; TNFSF2; TNF-a; cachectin; APC1 protein; TNF, monocyte-derived; TNF, macrophage-derived; TNF superfamily, member 2; tumor necrosis factor alpha; tumor necrosis factor-alpha; tumor necrosis factor ligand superfamily member 2; TNFA; TNF-alpha;

Gene ID [7124](#)

mRNA Refseq [NM_000594](#)

Protein Refseq [NP_000585](#)

MIM [191160](#)

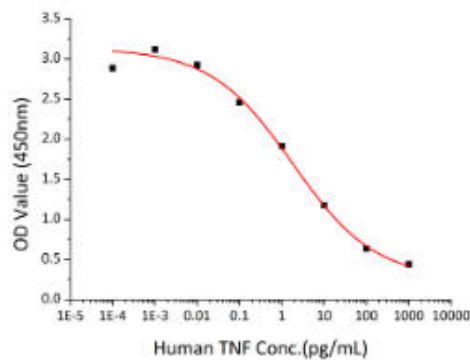
UniProt ID [P01375](#)

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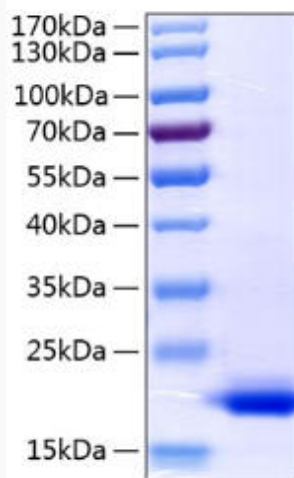
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Activity



SDS-PAGE



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