

Active Recombinant Human TNF protein

Cat. No. TNF-246H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TNF protein(NP_000585.2) (Val 77-Leu 233) was expressed in E. coli, with an initial Met at the N-terminus.
Species	Human
Source	E. coli
ProteinLength	77-233 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured in a cytotoxicity assay using L929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is typically 20-100 pg/ml, corresponding to a specific activity of 3×10^6 - 2×10^7 units/mg.
Molecular Mass	The recombinant human TNF- α consists of 158 amino acids and has a predicted molecular mass of 17.4 kDa which is also estimated by SDS-PAGE.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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](#)

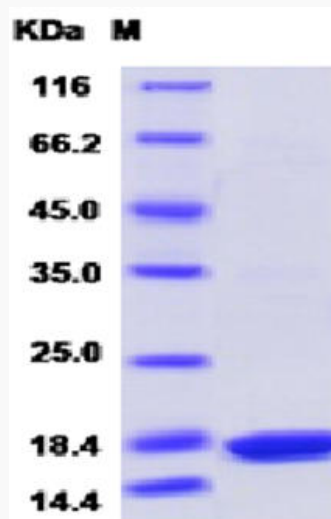
UniProt ID [P01375](#)

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SDS-PAGE



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