

Recombinant Human TNF Protein, His-tagged

Cat. No. TNF-151H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human tumor necrosis factor(TNF)(NM_000594) protein, with a His tag, was expressed in human cells.
Species	Human
Source	Human Cells
Description	This gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. This cytokine is mainly secreted by macrophages. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. This cytokine is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, insulin resistance, and cancer. Knockout studies in mice also suggested the neuroprotective function of this cytokine.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.46, without any preservatives.
Molecular Mass	18.5kD
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining

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Applications

Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

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- α ; 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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