

Active Recombinant Human TNF protein, FLAG-tagged

Cat. No. TNF-412H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNF(aa 85-233) fused at the N-terminus to mouse ACRP30headless (aa 18-111) and a FLAG [®] -tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	85-233;18-111 a.a.
Form	Lyophilized. Contains PBS.
Bio-activity	Activates human and mouse TNF-R1 and TNF-R2. Induces cell death at a concentration range of 0.01-10ng/ml (ED50= 0.05ng/ml or 2 x 10E7 Units/mg; WEHI 164 cells).
Molecular Mass	~34kDa (SDS-PAGE)
Endotoxin	<0.02EU/μg purified protein (LAL test; Lonza).
Purity	≥95% (SDS-PAGE)
Stability	Stable for at least 6 months after receipt when stored at -20 centigrade.
Storage	Short Term Storage: +4 centigrade; Long Term Storage: -20 centigrade.

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After reconstitution, prepare aliquots and store at -20 centigrade. Avoid freeze/thaw cycles. PBS containing at least 0.1% BSA should be used for further dilutions.

Concentration 0.1mg/ml after reconstitution.

Reconstitution Reconstitute with 100µl sterile water.

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

Chromosome Location 6p21.3

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Pathway

Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem;

Function

cytokine activity; identical protein binding; protease binding; protein binding; transcription regulatory region DNA binding; tumor necrosis factor receptor binding;

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