

Active Recombinant Mouse TNF protein, His-tagged

Cat. No. TNF-8352M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Mouse TNF protein(P06804)(80~235 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	80-235 aa
Form	Lyophilized from sterile 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	Cell apoptosis of A549 cells after stimulated by TNF α . TNF α , being an endogenous pyrogen, is able to induce fever, apoptotic cell death, inflammation and inhibit tumorigenesis. As reported, TNF α could inhibit the proliferation and induce apoptosis of A549 cells, and the concentration of IL-1 β in cell supernatant will increase after stimulation. A549 cells were incubated in DMEM with TNF α (1ng/mL, 10ng/mL) for 2h, 4h, 8h, 24h, 48h, then cells were observed by inverted microscope and IL-1 β in cell supernatant was detected by ELISA.
Molecular Mass	20.5kDa
Purity	> 95% as determined by SDS-PAGE.
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at

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-80°C for 12 months.

Reconstitution

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.
Do not vortex.

GENE INFORMATION

Gene Name

Tnf tumor necrosis factor [*Mus musculus*]

Official Symbol

TNF

Synonyms

TNF; tumor necrosis factor; TNF-a; TNF alpha; cachectin; tumor necrosis factor alpha; tumor necrosis factor-alpha; tumor necrosis factor ligand superfamily member 2; DIF; Tnfa; TNFSF2; Tnfsf1a; TNFalpha; TNF-alpha; MGC151434;

Gene ID

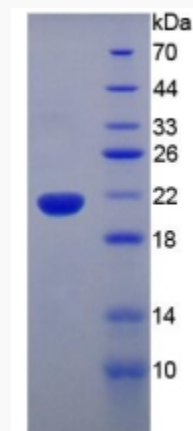
21926

mRNA Refseq

NM_013693

Protein Refseq

NP_038721

SDS-PAGE


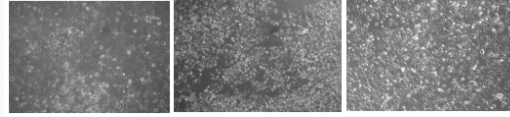
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