

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 TNFa. TNFa, being an endogenous pyrogen, is able to induce fever, apoptotic cell death, inflammation and inhibit tumorigenesis. As reported, TNFa 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 TNFa (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

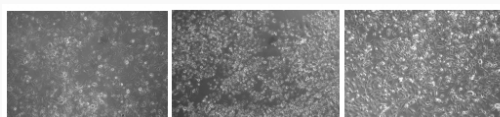
21926

mRNA Refseq

NM_013693

Protein Refseq

NP_038721

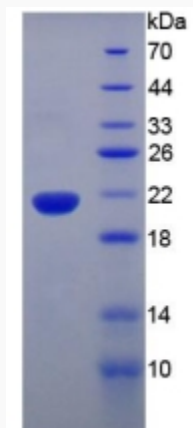
Activity


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SDS-PAGE



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