

Active Recombinant Mouse TNF protein, His-tagged

Cat. No. TNF-8353M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Mouse TNF protein(P06804)(57~235 aa), fused with N-terminal His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	57-235 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	TNF- α , being an endogenous pyrogen, is able to induce fever, necrosis, inflammation and to inhibit tumorigenesis. As reported, TNF- α could inhibit the proliferation and induce necrosis of A549 cells, and the concentration of IL-1 β in cell supernatant will increase after stimulation. Therefore, 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 was detected in the cell supernatant by ELISA .
Molecular Mass	21.4kDa
Endotoxin	<1.0EU per 1 μ g (determined by the LAL method).
Purity	> 95% as determined by SDS-PAGE.

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Storage Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -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

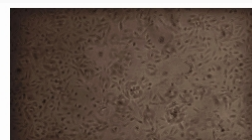
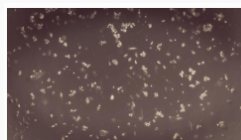
Synonyms TNF; tumor necrosis factor; TNF-a; TNF alpha; cachectin; tumor necrosis factor alpha; tumor necrosis factor-alpha; tumor necrosis factor ligand superfamily member 2; DIF; Tnfa; TNFSF2; Tnfsf1a; TNFalpha; TNF-alpha; MGC151434;

Gene ID 21926

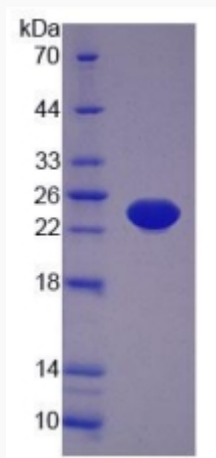
mRNA Refseq NM_013693

Protein Refseq NP_038721

Activity



SDS-PAGE



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