

Active Recombinant Rat TNF protein, His-tagged

Cat. No. TNF-4335R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rat TNF protein(P16599)(80~235 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Rat
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	TNF α , being an endogenous pyrogen, is able to induce fever, apoptotic cell death, inflammation and to inhibit tumorigenesis. As reported, TNF α could inhibit the proliferation and induce apoptosis of A549 cells, and the concentration of IL-1 β and IL-8 in cell supernatant will increase after stimulation. Therefore, A549 cells were incubated in DMEM with TNF α (1ng/mL, 10ng/mL, 100ng/mL, 1000ng/mL) for 8h, IL-1 β and IL-8 were detected in the cell supernatant by ELISA. Results: After incubation with TNF- α for 8h, IL-1 β and IL-8 significantly increased in the cell supernatant.
Molecular Mass	21.0kDa
Purity	> 90% 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 [*Rattus norvegicus*]

Official Symbol

TNF

Synonyms

TNF; tumor necrosis factor; cachectin; tumor necrosis factor alpha; tumor necrosis factor (TNF superfamily, member 2); tumor necrosis factor ligand superfamily member 2; Tnfa; RATTNF; TNF-alpha; MGC124630;

Gene ID

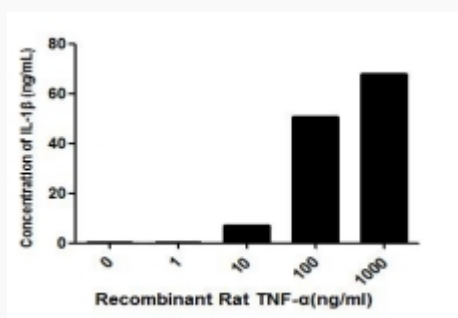
24835

mRNA Refseq

NM_012675

Protein Refseq

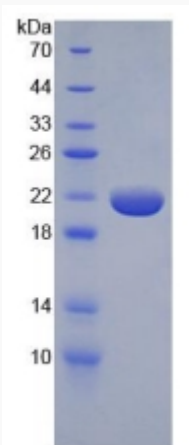
NP_036807

Activity


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SDS-PAGE

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