

Rat TNF alpha protein, His tag (active)

Cat. No. GTX00342-pro

Applications Functional Assay**Species** Rat**Package**

10 µg

Applications

Application Note

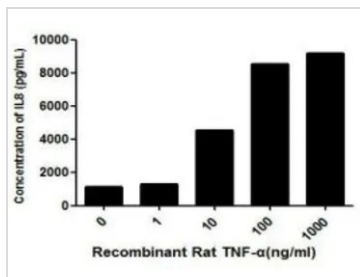
TNF- α (Tumor necrosis factor), being an endogenous pyrogen, is able to induce fever, apoptotic cell death, inflammation and to inhibit tumorigenesis. As reported, TNF α could inhibit the proliferation and induce apoptosis of A549 cells, and the concentration of IL-1 β and IL-8 in cell supernatant will increase after stimulation. Therefore, A549 cells were incubated in DMEM with TNF α (1 ng/ml, 10 ng/ml, 100 ng/ml, 1000 ng/ml) for 8h, IL-1 β and IL-8 were detected in the cell supernatant by ELISA. After incubation with TNF- α for 8h, IL-1 β significantly increased in the cell supernatant.

Observed MW (kDa) 21 kDa.

Properties

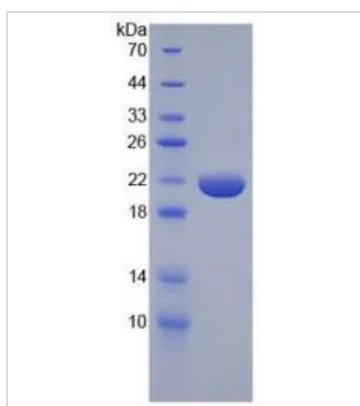
Form Lyophilized powder**Buffer** Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose.**Preservative** ProClin 300**Storage** For short-term storage (1-2 weeks), store at 4°C. For long-term storage, store at -20°C or below. After reconstitution, keep as concentrated solution. Avoid freeze-thaw cycles.**Region/Sequence** N-terminal His-Tag; Leu80~Leu235 (NP_036807.1)**Expression System** E. coli**Purity** > 90%**Endotoxin** < 1 EU/µg**Conjugation** Unconjugated**Note** For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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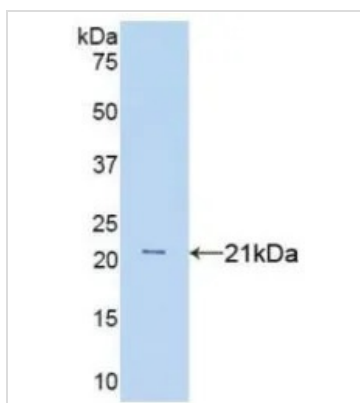
DATA IMAGES

GTx00342-pro Functional Assay Image

ELISA detection of secreted IL-6 protein activation from A549 cells induced by GTx00342-pro Rat TNF alpha protein (active) for 8hrs.

Recombinant protein concentrations: 1, 10, 100, and 1000 ng/ml.


GTx00342-pro Image

SDS-PAGE analysis of GTx00342-pro Rat TNF alpha protein (active).


GTx00342-pro Image

WB analysis of GTx00342-pro Rat TNF alpha protein (active).



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