

Active Recombinant Rat Tnf protein, His-tagged

Cat. No. TNF-6193R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Tnf protein(Leu80-Leu235), fused with C-terminal His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	80-235 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	Recombinant Rat TNF-alpha induces cytotoxicity in the L-929 Mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is typically 3.37-13.48 pg/mL, corresponding to a specific activity of $7.42 \times 10^7 \sim 2.97 \times 10^8$ units/mg.
Molecular Mass	18.91 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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](#)

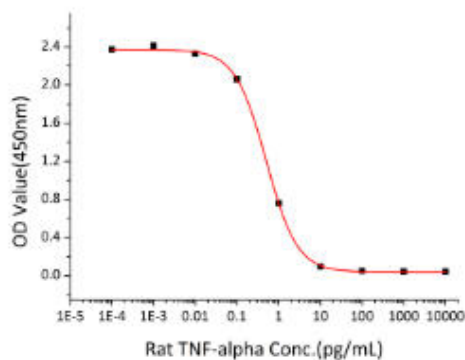
Protein Refseq [NP_036807](#)

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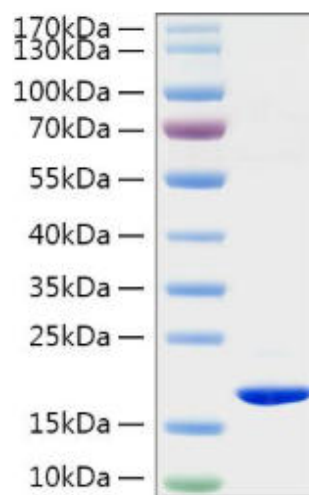
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Activity



SDS-PAGE



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