

Active Recombinant Rat TNF protein

Cat. No. TNF-1071R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat TNF protein(P16599)(Leu80-Leu235) was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Leu80-Leu235
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured in a cytotoxicity assay using L929 mouse fibrosarcoma cells in the presence of metabolic inhibitor actinomycin D. The ED50 for this effect is typically 1-6 pg/ml.
Molecular Mass	The recombinant rat TNF α consists of 157 amino acids and has a calculated molecular mass of 17.4 kDa. It migrates as an approximately 15.9 kDa band in SDS-PAGE under reducing conditions.
Purity	> 93 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Tnf tumor necrosis factor [<i>Rattus norvegicus</i>]
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Official Symbol	TNF
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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;
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Gene ID	24835
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mRNA Refseq	NM_012675
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Protein Refseq	NP_036807
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