

Active GMP Recombinant Rat Tnf protein

Cat. No. Tnf-109RG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Rat Tnf protein(NP_036807.1)(169 aa), fused with His Tag at the C-terminal, was expressed in HEK293 cell in an animal component free process under cGMP guidelines.
Species	Rat
Source	HEK293
ProteinLength	DNA sequence encoding Rat TNF- α (NP_036807.1) was expressed with His tag at the C-terminal.
Form	Freeze-dried powder contains Sterile PBS (pH 7.4) with 6% mannitol.
Bio-activity	$\geq 2 \times 10^7$ IU/mg
Molecular Mass	Recombinant Rat TNF- α contains 169 aa. It has a predicted MW of 18.9 kDa.
Endotoxin	≤ 0.01 EU/ug
Purity	$\geq 95\%$ by SDS-PAGE and HPLC
Storage	The lyophilized preparation can be stored at 4°C for 24 months, and the dissolved liquid can be stored at -20°C for 6-12 months to avoid repeated freezing and thawing
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

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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 [*Rattus norvegicus*]

Official Symbol Tnf

Synonyms Tnfa; RATTNF; TNF-alpha

Gene ID 24835

mRNA Refseq NM_012675

Protein Refseq NP_036807

UniProt ID P16599

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