

## Active GMP Recombinant Rat Tnf protein

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	DNA sequence encoding Rat TNF- $\alpha$ (NP_036807.1) was expressed with His tag at the C-terminal.
<b>Form</b>	Freeze-dried powder contains Sterile PBS (pH 7.4) with 6% mannitol.
<b>Bio-activity</b>	$\geq 2 \times 10^7$ IU/mg
<b>Molecular Mass</b>	Recombinant Rat TNF- $\alpha$ contains 169 aa. It has a predicted MW of 18.9 kDa.
<b>Endotoxin</b>	$\leq 0.01$ EU/ug
<b>Purity</b>	$\geq 95\%$ by SDS-PAGE and HPLC
<b>Storage</b>	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
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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