

## 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                                                                                            |

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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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