

Recombinant Rat Tnf, His-tagged

Cat. No. Tnf-108R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat Tnf, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Rat
Source	E.coli
Description	Tnf also known as Tumor necrosis factor. The Protein acts as a cytokine binds TNF receptors plays a role in regulation of cell proliferation, induction of apoptosis, and inflammatory response.
Form	Liquid. In Phosphate Buffer Saline (pH7.4) containing 10% glycerol, 1mM DTT
Molecular Mass	19.9kDa (181aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMLRSSS QNSSDKPVAH VVANHQAEQ LEWLSQRANA LLANGMDLKD NQLVVPADGL YLIYSQVLFGQGCPDYVLL THTVSRFAIS YQEKVSLLSA IKSPCPKDTP EGAELKPWYE PMYLGGVFQL EKGDLLSAEV NLPKYLDITE SGQVYFGVIAL
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

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Concentration 1mg/ml (determined by Absorbance at 280nm)

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](#)

Pathway Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem;

Function cytokine activity; cytokine activity; identical protein binding; identical protein binding; protease binding; protease binding; transcription regulatory region DNA binding; transcription regulatory region DNA binding; tumor necrosis factor receptor binding; tumor necrosis factor receptor binding; tumor necrosis factor receptor binding; tumor necrosis factor receptor binding;

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