Recombinant Rat Tnf protein, His-tagged

Cat. No. Tnf-564R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Tnf aa. (Leu80~Leu235) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Leu80~Leu235
Description	Acts as a cytokine; binds TNF receptors; plays a role in regulation of cell proliferation, induction of apoptosis, and inflammatory response.
Form	Freeze-dried powder
Molecular Mass	21kDa as determined by SDS-PAGE reducing conditions
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>92%
Characteristic	The isoelectric point is 6.
Applications	Positive Control; Immunogen; SDS-PAGE; WB
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

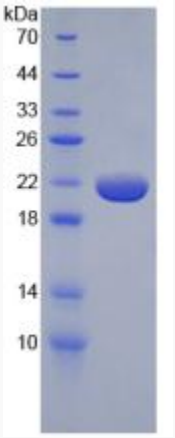
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	accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200μg/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Tnf tumor necrosis factor [Rattus norvegicus (Norway rat)]
Official Symbol	Tnf
Synonyms	Tnf; tumor necrosis factor; Tnfa; RATTNF; TNF-alpha; tumor necrosis factor; cachectin; tumor necrosis factor (TNF superfamily, member 2); tumor necrosis factor alpha; tumor necrosis factor ligand superfamily member 2
Gene ID	24835
mRNA Refseq	NM_012675.3
Protein Refseq	NP_036807.1

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UniProt ID	P16599
SDS-PAGE	

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