

Recombinant Rat Tnf Protein, His&hFc-tagged

Cat. No. Tnf-438R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Tnf Protein (Leu80-Leu235) with N-His and C-hFc tag was expressed in CHO.
Species	Rat
Source	CHO
ProteinLength	Leu80-Leu235
Description	Enables tumor necrosis factor receptor binding activity. Involved in several processes, including positive regulation of cell communication; positive regulation of macromolecule metabolic process; and positive regulation of neuron death. Located in several cellular components, including external side of plasma membrane; extracellular space; and neuronal cell body. Used to study several diseases, including cerebrovascular disease (multiple); liver disease (multiple); peptic esophagitis; perinatal necrotizing enterocolitis; and periventricular leukomalacia. Biomarker of several diseases, including brain disease (multiple); congestive heart failure (multiple); inflammatory bowel disease (multiple); lung disease (multiple); and non-alcoholic fatty liver disease (multiple). Human ortholog(s) of this gene implicated in several diseases, including artery disease (multiple); autoimmune disease (multiple); eye disease (multiple); lung disease (multiple); and skin disease (multiple). Orthologous to human TNF (tumor necrosis factor).
Form	Freeze-dried powder

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Molecular Mass	Predicted Molecular Mass: 47.8 kDa Accurate Molecular Mass: 25&18 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Tnf tumor necrosis factor [<i>Rattus norvegicus</i> (Norway rat)]
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

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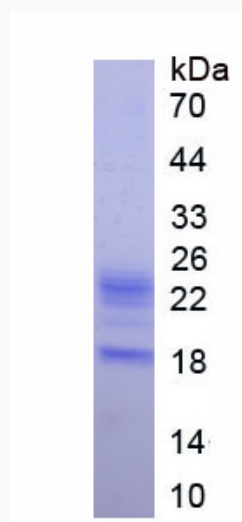
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mRNA Refseq [NM_012675](#)

Protein Refseq [NP_036807](#)

UniProt ID [P16599](#)



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