

Recombinant Guinea pig Tnf Protein, His-tagged

Cat. No. Tnf-433G Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Guinea pig Tnf Protein (Gly57-Leu234) with N-His tag was expressed in E. coli.
Species	Guinea pig
Source	E.coli
ProteinLength	Gly57-Leu234
Description	Cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is potent pyrogen causing fever by direct action or by stimulation of interleukin-1 secretion and is implicated in the induction of cachexia, Under certain conditions it can stimulate cell proliferation and induce cell differentiation.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.7 kDa Accurate Molecular Mass: 24 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

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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 [*Cavia porcellus* (domestic guinea pig)]

Official Symbol

Tnf

Synonyms

TNF; tumor necrosis factor; TNF-a; TNF-alpha; cachectin; tumor necrosis factor alpha; tumor necrosis factor ligand superfamily member 2; TNFA; TNFSF2

Gene ID

100135630

mRNA Refseq

NM_001173025

Protein Refseq

NP_001166496

UniProt ID

P51435

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