

Active Recombinant Canine TNF protein

Cat. No. TNF-504C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine TNF protein(NP_001003244.4)(Val77-Leu233) was expressed in E. coli.
Species	Canine
Source	E.coli
ProteinLength	77-233 a.a.
Form	Lyophilized from sterile 50mM Tris, 500mM NaCl, 20% glycerol, pH 8.0Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured in a cytotoxicity assay using L-929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is typically 0.01-0.08 ng/ml.
Molecular Mass	The recombinant canine TNFα consists of 158 amino acids and has a calculated molecular mass of 17.3 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.
Proteinlength	Val77-Leu233
Purity	> 96 % as determined by SDS-PAGE

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Storage

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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