

Active Recombinant Canine TNF protein

Cat. No. TNF-782C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Canine TNF protein(P51742)(77-233 aa) was expressed in E.coli.
Species	Canine
Source	E.coli
ProteinLength	77-233 aa
Form	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cytotoxicity assay using murine L929 cells is less than 1.0 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^6$ IU/mg in the presence of actinomycin D.
Molecular Mass	Approximately 17.3 kDa, a single non-glycosylated polypeptide chain containing 157 amino acids.
AASequence	VKSSSRTPSD KPAHVVANP EAEGQLQWLS RRANALLANG VELTDNQLIV PSDGLYLIYS QVLFGQGQCP STHVLLTHTI SRFAVSQTK VNLLSAIKSP CQRETPEGTE AKPWYEPYIL GGVFQLEKGD RLSAEINLPN YLDFAESGQV YFGIIAL
Endotoxin	Less than 1 EU/µg of rCaTNF-α as determined by LAL method.

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Purity	>95% by SDS-PAGE and HPLC analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
SDS-PAGE	