

Active Recombinant Canine IFNG protein

Cat. No. IFNG-7822C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Canine IFNG protein(P42161)(24-166 aa) was expressed in E.coli.
Species	Canine
Source	E.coli
ProteinLength	24-166 aa
Form	Lyophilized from a 0.2 μ filtered concentrated solution in 25 mM Sodium Succinate, pH 5.0, 60 mM NaCl, with 0.1 % Tween-80.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by an anti-viral assay using A-72 canine fibroma cells infected with vesicular stomatitis virus (VSV) is less than 2.0 ng/ml, corresponding to a specific activity of $> 5.0 \times 10^5$ IU/mg.
Molecular Mass	Approximately 16.9 kDa, a single non-glycosylated polypeptide chain containing 143 amino acids.
AASequence	QAMFFKEIEN LKEYFNASNP DVSDGGSLFV DILKKWREES DKTIIQSQIV SFYKLFDNF KDNQIIQRSM DTIKEDMLGK FLNSSTSKRE DFLKLIQIPV NDLQVQRKAI NELIKVMNDL SPRSNLRKRK RSQNLFRGRR ASK
Endotoxin	Less than 0.1 EU/g of rCaIFN-γ as determined by LAL method.

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Purity	>97% 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	