

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 × 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 SFYLKLFDFNF 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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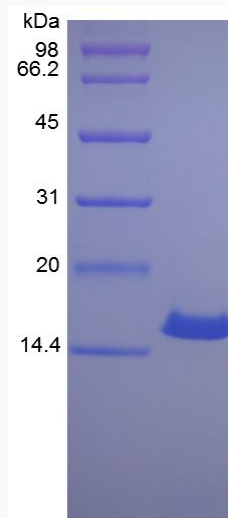
Purity >97% by SDS-PAGE and HPLC analyses.

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

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