

# Recombinant canine IFN-gamma/IFNG protein

Catalog Number: ATGP3626

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

24-166aa

### UniProt No.

P42161

### NCBI Accession No.

NP\_001003174

### Alternative Names

Interferon gamma, IFN-G, IFN-gamma

## PRODUCT SPECIFICATION

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### Molecular Weight

19.3 kDa (166aa) Confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. 20mM MES buffer (pH 6.0) containing 20% glycerol, 0.1M NaCl, 1mM EDTA

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

Ifng, also known as interferon gamma, is a member of the type II interferon family. This protein is a soluble cytokine with antiviral, immunoregulatory and anti-tumor properties and is a potent activator of macrophages. Mutations in this gene are associated with aplastic anemia. Recombinant canine Ifng protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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## Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSQAMFFKE IENLKEYFNA SNPDVSDGGS LFVDILKKWR EESDKTIIQS QIVSFYKLF  
DNFKDNQIIQ RSMDTIKEDM LGKFLNSSTS KREDFLKLIQ IPVNDLQVQR KAINELIKVM NDLSPRSNLR KRKRSQNLFR  
GRRASK

## General References

barbosa MA., et al. (2011) J comp pathol. 145(4):336-44.

Stehle ME., et al. (2010) Vet Dermatol. 21(1):112-7.

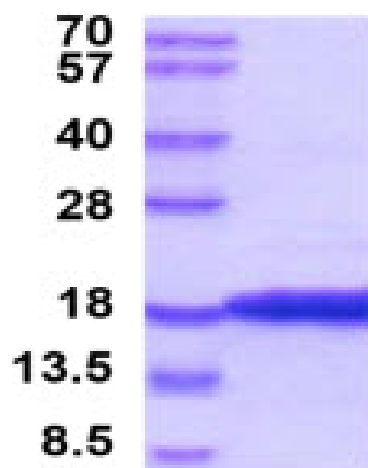
## DATA

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### SDS-PAGE

(kDa)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.



### 15% SDS-PAGE (3ug)