Recombinant canine IFN-gamma/IFNG protein

Catalog Number: ATGP3626

PRODUCT INFORMATION

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

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

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

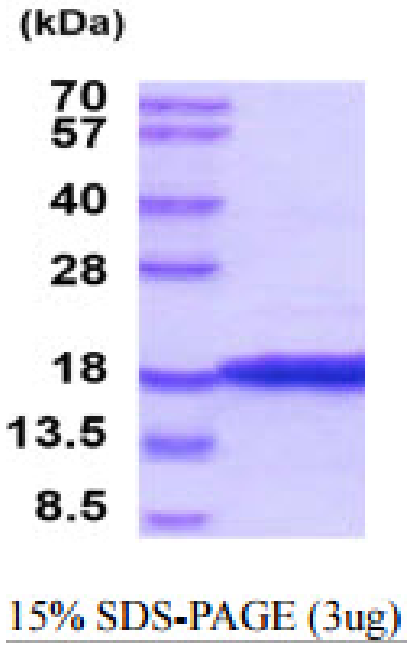
MGSSHHHHHH SSGLVPRGSH MGSQAMFFKE IENLKEYFNA SNPDVSDGGS LFVDILKKWR EESDKTIIQS QIVSFYLKLF DNFKDNQIIQ RSMDTIKEDM LGKFLNSSTS KREDFLKLIQ IPVNDLQVQR KAINELIKVM NDLSPRSNLR KRKRSQNLFR GRRASK

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

SDS-PAGE



15% SDS-PAGE (3ug)

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