

Recombinant feline IFN-gamma/IFNG protein

Catalog Number: ATGP3505

PRODUCT INFORMATION

Expression system

E.coli

Domain

24-167aa

UniProt No.

P46402

NCBI Accession No.

NP_001009873

Alternative Names

Interferon gamma, IFN-G, IFN-gamma

PRODUCT SPECIFICATION

Molecular Weight

19.3 kDa (167aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

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

Interferon gamma, also known as IFNG, 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 Feline IFNG protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSQAMFFKE IEELKGYFNA SNPDVADGGG LFVDILKNWK EESDKTIIQS QIVSFYLMKF

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ENLKDDDDQRI QRSMDTIKED MLDKLLNTSS SKRDDDFLKI QIPVNDLQVQ RKAINELFKV MNDLSPRSNL RKRKRSQNLFRGRRASK

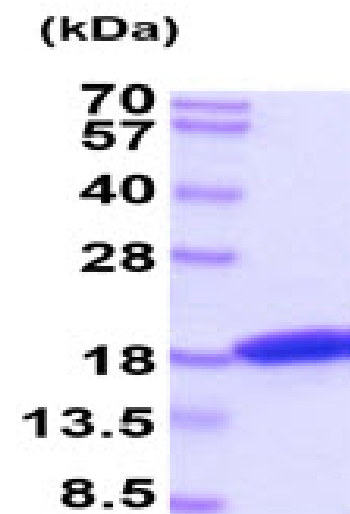
General References

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



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

15% SDS-PAGE (3ug)