# NKMAXBio We support you, we believe in your research

# 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 SSGLVPRGSH MGSQAMFFKE IEELKGYFNA SNPDVADGGS LFVDILKNWK EESDKTIIOS OIVSFYLKMF



# NKMAXBio We support you, we believe in your research

# Recombinant feline IFN-gamma/IFNG protein

Catalog Number: ATGP3505

ENLKDDDQRI QRSMDTIKED MLDKLLNTSS SKRDDFLKLI QIPVNDLQVQ RKAINELFKV MNDLSPRSNL RKRKRSQNLF RGRRASK

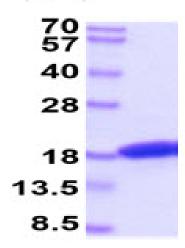
# **General References**

Barbosa MA., et al. (2011) J Comp pathol. 145(4):336-44. Stehle ME., et al. (2010) Vet Dermatol. 21(1):112-7.

# **DATA**



(kDa)



15% SDS-PAGE (3ug)

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

