

# Recombinant mouse IFN-gamma/IFNG protein

Catalog Number: ATGP3513

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

23-155aa

### UniProt No.

P01580

### NCBI Accession No.

NP\_032363.1

### Alternative Names

Interferon gamma, Ifg, IFN-g

## PRODUCT SPECIFICATION

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### Molecular Weight

18.2 kDa (158aa)

### Concentration

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

### Formulation

Liquid in. 20mM MES buffer (pH 5.0) containing 40% glycerol, 0.2M NaCl, 1mM DTT

### Purity

> 90% 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 secreted by lymphocytes stimulated by mitogen and is involved in the differentiation, maturation, and proliferation of hematopoietic cells. 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 mouse Ifng protein was expressed in E. coli and

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purified by using conventional chromatography techniques.

## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGSHM>HGTVI ESLESLNNYF NSSGIDVEEK SLFLDIWRNW QKDGDMLKILQ  
SQIISFYLRLL FEVLKDNQAI SNNISVIESH LITFFSNSK AKKDAFMSIA KFEVNNPQVQ RQAFNELIRV VHQLLPESL  
RKRKRSRC

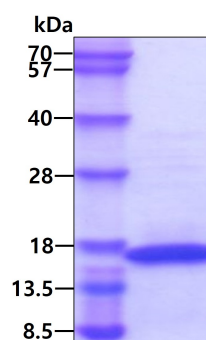
## General References

Barbosa MA., et al. (2011) J Comp pathol. 145(4):336-44.  
Dong H., et al. (2015) Oncogene. 34(42):5363-71.

## DATA

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### SDS-PAGE



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