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# Recombinant mouse IFN-gamma/IFNG protein

Catalog Number: ATGP3513

#### **PRODUCT INFORMATION**

#### **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**

# **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**

#### **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**

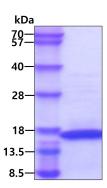
<MGSSHHHHHH SSGLVPRGSH MGSHM>HGTVI ESLESLNNYF NSSGIDVEEK SLFLDIWRNW QKDGDMKILQ SQIISFYLRL FEVLKDNQAI SNNISVIESH LITTFFSNSK AKKDAFMSIA KFEVNNPQVQ RQAFNELIRV VHQLLPESSL RKRKRSRC

### **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**

#### **SDS-PAGE**



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

