

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 QKDGDMLKILQ
SQIISFYLRLL FEVLKDNQAI SNNISVIESH LITFFSNSK AKKDAFMSIA KFEVNNPQVQ RQAFNELIRV VHQLLPESL
RKRKRSRC

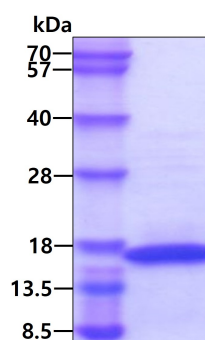
General References

Barbosa MA., et al. (2011) J Comp pathol. 145(4):336-44.

Dong H., et al. (2015) Oncogene. 34(42):5363-71.

DATA

SDS-PAGE



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