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



purified by using conventional chromatography techniques.

Amino acid Sequence

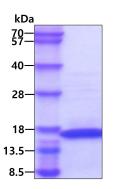
<MGSSHHHHHH SSGLVPRGSH MGSHM>HGTVI ESLESLNNYF NSSGIDVEEK SLFLDIWRNW QKDGDMKILQ SQIISFYLRL FEVLKDNQAI SNNISVIESH LITTFFSNSK AKKDAFMSIA KFEVNNPQVQ RQAFNELIRV VHQLLPESSL RKRKRSRC

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.