

Recombinant human IFN-gamma/IFNG protein

Catalog Number: ATGP1493

PRODUCT INFORMATION

Expression system

E.coli

Domain

24-161aa

UniProt No.

P01579

NCBI Accession No.

NP_000610

Alternative Names

Interferon gamma, Immune interferon, IFG, IFI, IMD69

PRODUCT SPECIFICATION

Molecular Weight

18.5 kDa (159aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4)

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. Natural human interferon-gamma is composed of 143 amino acid residues without cysteine residues and is glycosylated. Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161.

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Recombinant human IFNG protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MQDPYVKEAE NLKKYFNAGH SDVADNGTLF LGILKNWKEE SDRKIMQSQI VSFYFKLFKN
FKDDQSIQKS VETIKEDMNV KFFNSNKKKR DDFEKLTNYS VTDLNVQRKA IHELIQVMAE LSPAAGTKGR KRSQMLFRG

General References

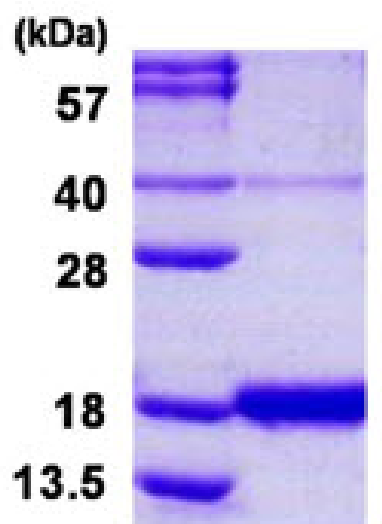
Sen GC, Lengyel P (1992) J. Biol. Chem. 267(8):5017-5020

Tsutomu Arakawa, Yeuh-rong Hsu (1987) Biochemistry. 26:5428-5432

Emst Rinderknecht, et al. (1984) J. Biol. Chem. 259(11):6790-6797

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)