

**IFNG, 24-161aa, Human, His tag, E.coli**

**Cat.NO.: TP02572**

3th Edition

**Synonyms:**Interferon gamma, IFG, IFI.

**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. Nature 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.

**Form:**Liquid. Phosphate buffered saline (pH 7.4)

**Molecular Weight:**18.5 kDa (159aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMQDPYVKEAENLKKEYFNAGHSDVADNGTLFLGILKNWKEESDRKIMQSQIVSFYF  
KLFKNFKDDQSIQKSVETIKEDMNVKFFNSNKKKRDDFEKLTNYSVTDLNVQRKAIHELIQVMAELSPAAKTGKRKR  
SQMLFRG

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.