

Recombinant Human Interferon, Gamma, His-tagged

Cat. No. IFNG-145H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant humanIFNG protein,fused to His-tag at N-terminus, was expressed in E. coli andpurified by using conventional chromatography.
Species	Human
Source	E.coli
Description	IFNG, also known as interferon gamma, is secreted by lymphocytes stimulatedby mitogen and is involved in the differentiation, maturation, andproliferation of hematopoietic cells. Nature human IFNG is composed of 143amino acid residues without cysteine residues and is glycosylated.Proteolytic processing produces C-terminal heterogeneity, with proteinsending 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
Purity	> 90% by SDS-PAGE
Concentration	1 mg/ml(determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHH SSSLVPRGSH MQDPYVKEAE NLKKYFNAGHSDVADNGTLF LGILKNWKEE SDRKIMQSQI VSFYFKLFKN FKDDQSIQKS VETIKEDMNV KFFNSNKKKRDDFEKLTNYS VTDLNVQRKA IHELIQVMAE LSPA AKTGKR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

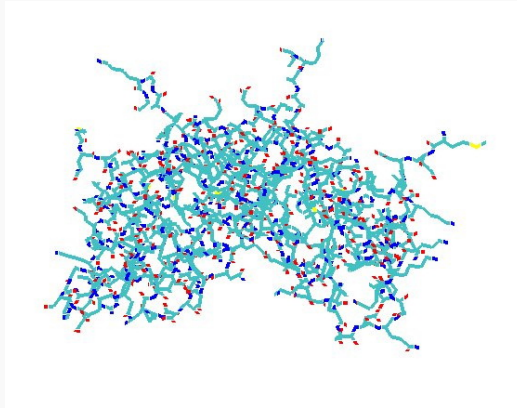
	KRSQMLFRG
Storage	Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
OfficialSymbol	IFNG
nullValue_other	Pathway Allograft rejection; Cytokine-cytokine receptor interaction;Graft-versus-host disea se; Jak-STAT signaling pathway; Natural killer cellmediated cytotoxicity; Proteaso me; Regulation of autophagy; Systemic lupuserythematosus; T cell receptor signali ng pathway; TGF-beta signaling pathway;Type I diabetes mellitus
GENE INFORMATION	
Gene Name	IFNG interferon, gamma [Homosapiens]
Synonyms	IFNG; Interferon, gamma; IFG; IFI;IFN-gamma; Immune interferon; Type II interferon; T cell interferon; MAF; OTTHUMP00000240111;interferon gamma
Gene ID	3458
mRNA Refseq	NM_000619
Protein Refseq	NP_000610
MIM	147570
UniProt ID	P01579
Chromosome Location	12q14

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Line representation
of the
crystallographic
structure
of interferon gamma.**



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA