

Recombinant Active Human IFNG Protein, His-tagged(C-ter)

Cat. No. IFNG-119H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Active Human IFNG Protein with His tag (C-ter) was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a soluble cytokine that is a member of the type II interferon class. The encoded protein is secreted by cells of the both the innate and adaptive immune systems. The active protein is a homodimer that binds to the interferon gamma receptor which triggers a cellular response to viral and microbial infections. Mutations in this gene are associated with an increased susceptibility to viral, bacterial and parasitic infections and to several autoimmune diseases. [provided by RefSeq, Sep 2015]
Form	Powder
Bio-activity	Determined by its ability to induce cytotoxicity in HT29 cells. The ED50 for this effect is < 1.1 ng/mL.
AA Sequence	MQDPYVKEAENLKKYFNAGHSDVADNGTLFLGILKNWKEESDRKIMQSQIVSFYFKL FKNFKDDQSIQKSVETIKEDMNVKFFNSNKKKRDDFEKLTNYSVTDLNVQRKAIHELI QVMAELSPAAGTKGRKRSQMLFQGRRASQ
Endotoxin	Endotoxin level is less than 0.01 EU/μg of the protein, as determined by the LAL test.

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Purity	> 95% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

GENE INFORMATION

Gene Name	IFNG interferon, gamma [Homo sapiens]
Official Symbol	IFNG
Synonyms	IFNG; interferon, gamma; interferon gamma; IFN-gamma; immune interferon; IFG; IFI;
Gene ID	3458
mRNA Refseq	NM_000619
Protein Refseq	NP_000610

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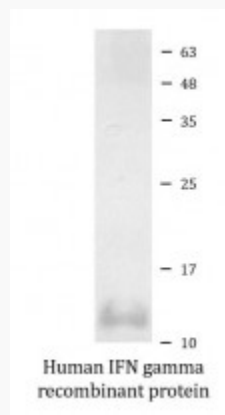
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MIM 147570

UniProt ID P01579

SDS-PAGE



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