

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

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Active Human IFNG Protein with His tag (C-ter) was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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]
<b>Form</b>	Powder
<b>Bio-activity</b>	Determined by its ability to induce cytotoxicity in HT29 cells. The ED50 for this effect is < 1.1 ng/mL.
<b>AA Sequence</b>	MQDPYVKEAENLKKYFNAGHSDVADNGTLFLGILKNWKEESDRKIMQSQIVSFYFKL FKNFKDDQSIQKSVETIKEDMNVKFFNSNKKKRDDFEKLTNYSVTDLNVQRKAIHELI QVMAELSPAAKTGKRKRSQMLFQGRRASQ
<b>Endotoxin</b>	Endotoxin level is less than 0.01 EU/μg of the protein, as determined by the LAL test.

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<b>Purity</b>	> 95% (by SDS-PAGE)
<b>Applications</b>	SDS-PAGE
<b>Notes</b>	For laboratory research only, not for drug, diagnostic or other use.
<b>Storage</b>	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.
<b>Storage Buffer</b>	PBS (pH 8.0)
<b>Reconstitution</b>	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

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

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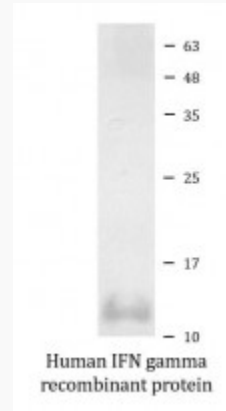
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**MIM** 147570

**UniProt ID** P01579

**SDS-PAGE**



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