

## Recombinant Human IFNG Protein

Cat. No. IFNG-74H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human Interferon Gamma is produced by our Mammalian expression system and the target gene encoding Gln24-Gln166 is expressed.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>ProteinLength</b>	24-166 a.a.
<b>Description</b>	IFN $\gamma$ is the major interferon produced by mitogenically or antigenically stimulated lymphocytes. It is structurally different from type I interferon and its major activity is immunoregulation. It has been implicated in the expression of class II histocompatibility antigens in cells that do not normally produce them, leading to autoimmune disease. Interferon gamma is produced mainly by T-cells and natural killer cells activated by antigens, mitogens, or alloantigens. It is produced by lymphocytes expressing the surface antigens CD4 and CD8. IFN $\gamma$ synthesis is induced by IL-2, FGF-basic, and EGF.
<b>Form</b>	Lyophilized from a 0.2 $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH 7.0.
<b>AA Sequence</b>	Gln24-Gln166
<b>Endotoxin</b>	Less than 0.1 ng/ $\mu$ g (1 EU/ $\mu$ g).
<b>Purity</b>	>90%

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<b>Storage</b>	<p>Lyophilized protein should be stored at &lt; -20 centigrade, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20 centigrade for 3 months.</p>
<b>Reconstitution</b>	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
<b>Quality Statement</b>	Purity: Greater than 90% as determined by reducing SDS-PAGE.
<b>Shipping</b>	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>

## GENE INFORMATION

<b>Gene Name</b>	IFNG interferon gamma [ Homo sapiens (human) ]
<b>Official Symbol</b>	IFNG
<b>Synonyms</b>	Interferon Gamma; IFN-Gamma; Immune Interferon; IFG; IFI; IMD69
<b>Gene ID</b>	3458
<b>mRNA Refseq</b>	NM_000619.3
<b>Protein Refseq</b>	NP_000610.2
<b>MIM</b>	147570

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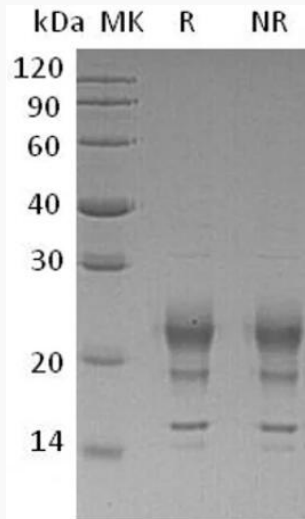
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UniProt ID

P01579

SDS-PAGE



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