

Recombinant Human IFNG Protein

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

SPECIFICATION

Product Overview	Recombinant Human Interferon Gamma is produced by our Mammalian expression system and the target gene encoding Gln24-Gln166 is expressed.
Species	Human
Source	Human Cells
ProteinLength	24-166 a.a.
Description	IFN γ 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 γ synthesis is induced by IL-2, FGF-basic, and EGF.
Form	Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.0.
AA Sequence	Gln24-Gln166
Endotoxin	Less than 0.1 ng/ μ g (1 EU/ μ g).
Purity	>90%

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

GENE INFORMATION

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

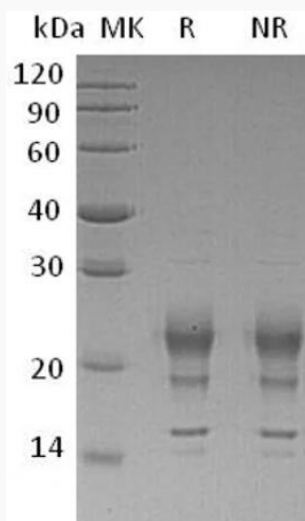
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UniProt ID P01579

SDS-PAGE



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