

## Recombinant Human IFN gamma

Catalog No : PMK2167

Known As: Interferon Gamma; IFN-Gamma; Immune Interferon; IFNG

### PROPERTIES

Description	Recombinant Human Interferon Gamma is produced by our Mammalian expression system and the target gene encoding Gln24-Gln166 is expressed.
Accession	P01579
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of 20mM PB, 4% Mannitol, 2% Sucrose, 0.02% Tween80, pH7.4.
Size	10 $\mu$ g/50 $\mu$ g/500 $\mu$ g/1mg
Purity	> 95%
Endotoxin	<1EU/ $\mu$ g as determined by LAL test.
Predicted Mol Mass	16.8 KDa
Apparent Mol Mass	16&20&25 KDa, reducing conditions
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$ , stable for one year after receipt. Reconstituted protein solution can be stored at $2-8^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.
Background	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.

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