

## Recombinant Human Interferon $\gamma$ /IFNG Protein

Catalog No. PDMH100010

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

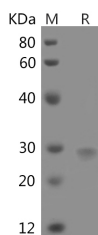
### Description

<b>Synonyms</b>	Interferon Gamma;IFN-Gamma;Immune Interferon;IFNG
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Gln24-Gln166
<b>Accession</b>	P01579
<b>Calculated Molecular Weight</b>	16.8 kDa
<b>Observed molecular weight</b>	16&20-25 kDa
<b>Tag</b>	None
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis

### Data



> 90 % as determined by reducing SDS-PAGE.

### Background

IFN $\gamma$  is the major interferon produced by mitogenically or antigenically stimulated lymphocytes. It is structurally

### For Research Use Only

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.