# HUMAN IFN GAMMA PROTEIN

**Cat.#:** 12055

**Product Name:** Human IFN Gamma Protein

**Size :** 10 µg, 50 µg and 100 µg

**Synonyms:** Interferon Gamma;IFN-Gamma;Immune Interferon;IFNG

**Target:** IFN

**UNIPROT ID:** P05013

**Description:** Recombinant Human Interferon Gamma is produced by our Mammalian expression system and the target gene encoding Gln24-Gln166 is expressed.

**Background:** IFNγ 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 byT-cells and natural killer cells activated by antigens, mitogens, or alloantigens. It is produced by lymphocytes expressing the surface antigens CD4 and CD8. IFNγ synthesis is induced by IL-2, FGF-basic, and EGF.

**Species/Host:** HEK293

**Molecular Weight:** 16.8 KDa

**Molecular Characterization:** Not available

**Purity:** Greater than 95% as determined by reducing SDS-PAGE.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

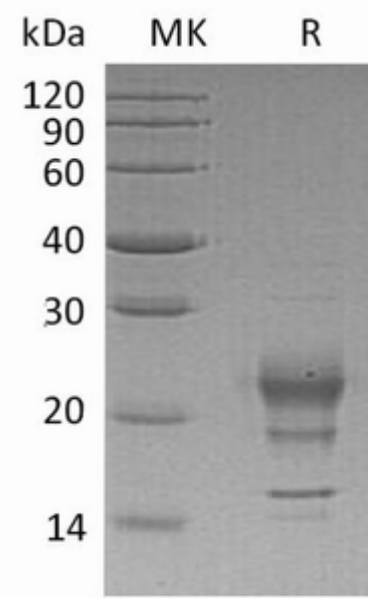



Figure 1. Greater than 95% as determined by reducing SDS-PAGE.