



Recombinant Protein Technical Manual

Recombinant Human Interferon γ /IFNG Protein

RPES1899

Product Data:

Product SKU: RPES1899

Size: 10 μ g

Species: Human

Expression host: E. coli

Uniprot: P01579

Protein Information:

Molecular Mass: 16.9 kDa

AP Molecular Mass: 16 kDa

Tag:

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per μ g as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

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

Immunogen Information:

Sequence: Gln24-Gln166

Background:

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.