
Human IFN gamma Recombinant Protein

Catalog Number: 14-8319

Also Known As: Interferon-gamma

RUO: For Research Use Only

Product Information

Contents: Human IFN gamma Recombinant Protein

REF **Catalog Number:** 14-8319

Handling Conditions: For best recovery, quick-spin vial prior to opening. Use in a sterile environment

Source: E. coli expressed amino acids Gln 24-Gln 166 of mature human IFN- γ (accession # NM_000619).


Molecular Mass: The methionylated N-terminal protein migrates as a 16 kDa polypeptide on SDS-PAGE.

Purity: Greater than 98%, as determined by SDS-PAGE

Endotoxin Level: Less than 0.01 ng/ug cytokine as determined by the LAL assay.

Bioactivity: The ED50 of this protein, as measured by EMC virus protection assay using A549 cells, is less than or equal to 175 pg/ml. This corresponds to a specific activity of greater than or equal to 5.7×10^6 Units/mg.

Formulation: Sterile liquid; phosphate buffered saline, pH 7.2, 0.5% BSA. 0.22 μ m filtered.

 **Temperature Limitation:** Store at less than or equal to -70°C.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

Description

Human IFN gamma is an ~20 kDa factor produced by activated T, B and NK cells and is an anti-viral and anti-parasitic cytokine. IFN gamma in synergy with other cytokines, such as TNF alpha, inhibits proliferation of normal and transformed cells. Immunomodulatory effects of IFN gamma are exerted on a wide range of cell types expressing the high affinity receptors for IFN- γ . Glycosylation of IFN gamma does not affect its biological activity.

Applications Reported

Recombinant human IFN gamma is biologically active and is for bioassay use only. It has been demonstrated to protect A549 cell line against viral infection in culture.

For an ELISA standard, please refer to eBioscience Cat. No. 39-8319-65.

Applications Tested

The ED50 of this protein, as measured by EMC virus protection assay using A549 cells, is less than or equal to 175 pg/ml. This corresponds to a specific activity of greater than or equal to 5.7×10^6 Units/mg.

Related Products

39-8319 Human IFN gamma Single-Use ELISA RSG Standard

88-7316 Human IFN gamma ELISA Ready-SET-Go!®

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