
Human IFN gamma Recombinant Protein Carrier-Free

Catalog Number: 34-8319

Also Known As: Interferon-gamma

RUO: For Research Use Only

Product Information

Contents: Human IFN gamma Recombinant Protein Carrier-Free

 Catalog Number: 34-8319

Handling Conditions: For best recovery, quick-spin vial prior to opening. Use in 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 x 10⁶ Units/mg.

Formulation: Sterile liquid: phosphate buffered saline, pH 7.2, 0.22 μ m filtered.



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



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- γ 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 x 10⁶ Units/mg.

Related Products

14-8239 Human IL-23 Recombinant Protein

Not for further distribution without written consent.

Copyright © 2000-2010 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com