

Datasheet

Interferon gamma

Human Recombinant

Product	Description	Catalogue-No.	Size
IFN gamma	Interferon gamma, human recombinant	P-2060020 P-2060100	20 µg 100 µg

Product description

Synonyms: MAF, IFNG, IFG, IFI, Immune interferon, Type II interferon, T-cell interferon

Interferon gamma (IFN gamma) is produced by lymphocytes activated by specific antigens or mitogens. IFN gamma, in addition to having antiviral activity, has important immune regulatory functions, it is a potent activator of macrophages, and has anti-proliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons.

IFN gamma human rec. produced in E. coli is a single, non-glycosylated, polypeptide chain containing 144 amino acids and having a molecular mass of 17 kDa.

IFN gamma is purified by proprietary chromatographic techniques.

Solubility and storage conditions

It is recommended to reconstitute the lyophilized IFN gamma in sterile distilled water or 20 mM AcOH not less than 100 µg/ml, which can be further diluted to other aqueous solutions.

Lyophilized IFN gamma although stable at room temperature for 3 weeks, should be stored desiccated below -20°C. Upon reconstitution IFN gamma should be stored at 2-8°C up to 7 days and for future use below -20°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles

Composition

Lyophilized from PBS, pH 7.4.

Purity: > 97.0% as determined by SDS-PAGE and RP-HPLC

Amino acid sequence: MQDPYVKEAE NLKKYFNAGH SDVADNGTLF LGILKNWKEE SDRKIMQSQI VSFYFKLFKN FKDDQSIQKS VETIKEDMNV KFFNSNKKKR DDFEKLTNYS VTDLNVQRKA IHELIQVMAE LSPAAGTGKR KRSQMLFQGR RASQ

Biological activity: The specific activity as determined in a viral resistance assay is <0.05 ng/ml, corresponding to a specific activity of 2.0 x 10,000,000 Units per mg.

Technical support

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email (info@pan-biotech.com) or phone +49-8543-601630.

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