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## Product Data Sheet

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Product Name: IFNG Monkey

Cat. No.: GP26035

Batch No.: 1

**Product Data**

Purity &gt;98% Source Escherichia Coli.

Physical Appearance solid Shipping Condition atRoomtemp.

Synonyms Immune IFN, type II IFN, T cell IFN, MAF, IFNG, IFG, IFI, IFN-gamma.

Amino Acid Sequence QDPYVKEAEN LKKYFNAGDP DVADNGTLFL DILRNWKEES DRKIMQSQIV  
SFYFKLFKNF KDDQRIQKSV ETIKEDINVK FFNSNKKKRD DFEKLTNYSV  
TDSNVQRKAV HELIQVMAEL SPAAKIGKRK RSQMFRGRRA SQ.Solubility It is recommended to reconstitute the lyophilized Interferon-gamma Rhesus Macaque in sterile 18MΩ-cm H<sub>2</sub>O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

Formulation Lyophilized from a 0.2μm filtered concentrated solution in PBS, pH7.4.

**Introduction**

IFN-gamma produced by lymphocytes activated by specific antigens / mitogens. IFN-gamma, on top of having antiviral activity, has important immunoregulatory functions, it is a potent activator of macrophages, and has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons.

**Biological Activity**

The ED<sub>50</sub> as determined by an anti-viral assay using human HeLa cells infected with encephalomyocarditis (EMC) virus is < 20.0 ng/ml, corresponding to a specific activity of > 5.0 × 10<sup>4</sup> IU/mg.

**Stability**

Lyophilized IFNG although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Interferon-gamma Rhesus Macaque should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

Interferon-gamma Rhesus Macaque Recombinant produced in E.Coli is a non-glycosylated polypeptide chain containing 142 amino acid and having a molecular mass of approximately 16.8kDa. IFNG is purified by proprietary chromatographic techniques.

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