

Product datasheet

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ARG70372 Store at: -20°C Mouse IFN gamma recombinant protein (Active) (His-tagged, C-ter)

Package: 100 μg, 20 μg

Summary

Product Description E. coli expressed, His-tagged (C-ter) Active Mouse IFN gamma recombinant protein

Tested Application SDS-PAGE **Target Name** IFN gamma **Species** Mouse

A.A. Sequence His23 - Cys155

Expression System E. coli Activity Active

Alternate Names IFNG; Interferon Gamma; Immune Interferon; IFN-Gamma; IMD; IFG; IFI

Properties

Form Powder

Purification Note Endotoxin level is less than 0.1 EU/ μg of the protein, as determined by the LAL test.

Purity > 98% (by SDS-PAGE)

Buffer PBS (pH 7.4)

Reconstitution It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less

than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure

the protein is dissolved completely.

Storage instruction For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and

store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid

repeated freeze/thaw cycles. Suggest spin the vial prior to opening.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol **IFNG**

Gene Full Name Interferon Gamma

Background This gene encodes a soluble cytokine that is a member of the type II interferon class. The encoded

> protein is secreted by cells of the both the innate and adaptive immune systems. The active protein is a homodimer that binds to the interferon gamma receptor which triggers a cellular response to viral and microbial inflections. Mutations in this gene are associated with an increased susceptibility to viral, bacterial and parasitic infections and to several autoimmune diseases. [provided by RefSeq, Sep 2015]

Function Produced by lymphocytes activated by specific antigens or mitogens. IFN-gamma, in addition to having

> antiviral activity, has important immunoregulatory functions. It is a potent activator of macrophages, it has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor

effects of the type I interferons. [UniProt]

Highlight Related products:

IFN gamma antibodies; IFN gamma ELISA Kits; IFN gamma Duos / Panels; IFN gamma recombinant

proteins;

Related news:

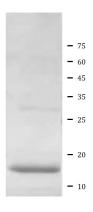
HMGB1 in inflammation Inflammatory Cytokines

PTM Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at

Gly-150, Met-157 or Gly-161.[UniProt]

Cellular Localization Secreted. [UniProt]

Images



ARG70372 Mouse IFN gamma recombinant protein (Active) (Histagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70372 Mouse IFN gamma recombinant protein (Active) (His-tagged, C-ter).