

## ARG70313 Rat IFN gamma recombinant protein (Fc-His-tagged, C-ter)

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	HEK293 expressed, Fc-His-tagged (C-ter) Rat IFN gamma recombinant protein.
Tested Reactivity	Rat
Tested Application	Binding, SDS-PAGE
Target Name	IFN gamma
Species	Rat
A.A. Sequence	Gln23 - Cys156 of Rat IFN gamma (NP_620235.1) with an Fc-6X His tag at the C-terminus.
Expression System	HEK293
Alternate Names	IFN-gamma; Interferon gamma; Immune interferon; IFG; IFI

### Application Instructions

Application Note	Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized recombinant Human IFN-gamma R1 at 3µg/ml (100µl/well) can bind recombinant Rat IFNG, the EC50 of Rat IFNG is 1 µg/ml.
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### Properties

Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 92% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. 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 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 infections. Mutations in this gene are associated with an increased susceptibility to viral, bacterial and parasitic infections and to several autoimmune diseases. [provided by RefSeq, Dec 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]

Calculated Mw

19 kDa

PTM

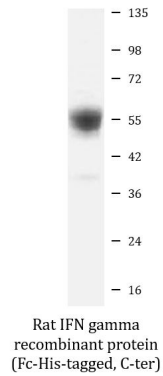
Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161. [UniProt]

Cellular Localization

Secreted. [UniProt]

## Images

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ARG70313 Rat IFN gamma recombinant protein (Fc-His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70313 Rat IFN gamma recombinant protein (Fc-His-tagged, C-ter).