

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

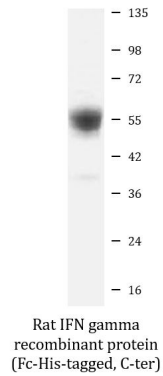
PTM

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

Cellular Localization

Secreted. [UniProt]

Images



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).