

## ARG70410 Pig IFN gamma recombinant protein (Active) (His-tagged, C-ter)

Package: 100 µg, 20 µg  
Store at: -20°C

### Summary

Product Description	E. coli expressed, His-tagged (C-ter) Active Pig IFNG recombinant protein
Tested Application	SDS-PAGE
Target Name	IFN gamma
Species	Pig
A.A. Sequence	Gln23 - Lys166
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to protect PK15 cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is < 40 pg/mL.
Alternate Names	IFNG; Interferon Gamma; Immune Interferon; IFN-Gamma; IMD69; IFG; IFI

### Properties

Form	Powder
Purification Note	Endotoxin level is < 0.01 EU/µg of the protein, as determined by the LAL test.
Purity	> 95% (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.

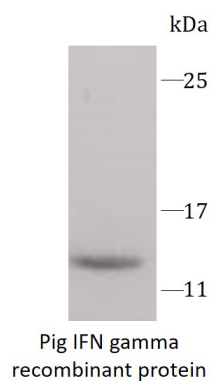
### Bioinformation

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 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.
Function	Type II interferon produced by immune cells such as T-cells and NK cells that plays crucial roles in antimicrobial, antiviral, and antitumor responses by activating effector immune cells and enhancing antigen presentation.

PTM	Cleavage on pair of basic residues, Glycoprotein, Pyrrolidone carboxylic acid
Cellular Localization	Secreted

## Images

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ARG70410 Pig IFN gamma recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70410 Pig IFN gamma recombinant protein (Active) (His-tagged, C-ter)

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