Certificate of Analysis & Data Sheet

**Catalog Number: 230-30052**

RayBiotech
Empowering your proteomics

# Recombinant Sus scrofa (Pig) IFN gama

## Source

| | |
|---|---|
| **Species** | Sus scrofa (Pig) |
| **Accession Number** | P17803 |
| **Gene Symbol** | IFNG |
| **Gene ID** | 396991 |
| **Expressed Region** | Gln24-Lys166 |
| **Synonyms** | Interferon gamma (IFN-gamma), Interferon gamma, IFN-gamma. |

## Preparation

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| **Expression System** | Human Embryonic Kidney 293 Cells |
| **Tag** | N-terminal histidine tag |
| **Purification** | His-tag affinity purification by immobilized metal ion affinity chromatography (IMAC) |
| **Purity** | >95% |
| **Purity Determined By** | SDS-PAGE under reducing conditions and visualized by Coomassie blue staining |
| **Molecular Weight** | Recombinant protein has a calculated molecular weight of about 16 kDa. Due to the abundant glycosylation, it migrates as approximately 18-25 kDa protein bands in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions. |

## Protein Specifications

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| **Format** | Lyophilized powder |
| **Formulation** | Lyophilized from a 0.2 um filtered solution in PBS |
| **Concentration** | Determined by Bio-Rad protein assay reagent |
| **Preservative** | None |
| **Endotoxin Level** | Not determined |
| **Recommended Applications** | Functional Assay, Protein-protein Interaction, Post-translational Modifications, ELISA, EIA, Western Blotting, Dot Blotting, Immunoprecipitation, Protein Array, etc. |
| **Reconstitution** | Briefly spin the vial and bring the contents to the bottom prior to opening. It is recommended to reconstitute at 0.5 - 1 mg/mL with sterile deionized water. |

**SDS-PAGE Image**

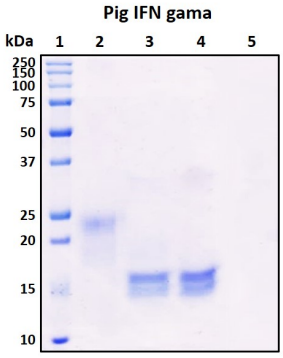


Figure 1. Deglycosylation of purified recombinant proteins. Purified proteins were untreated (Lane 2) or treated with protein deglycosylation enzymes under native (Lane 3) or reducing (Lane 4) conditions. Deglycosylation treatment resulted in a mobility shift of the protein to produce one major band at the expected size, thus indicating that the untreated recombinant protein (Lane 2) was glycosylated.
Lane 1: Protein standard ladder (kDa).
Lane 2: Untreated protein under reducing conditions.
Lane 3: Treated protein with deglycosylation enzymes under native conditions.
Lane 4: Treated protein with deglycosylation enzymes under reducing conditions.
Lane 5: Deglycosylation mixture only without target proteins.

## Shipping

Ice packs

## Storage/Stability

Upon arrival, the lyophilized protein may be stored for 2 weeks at 4°C. For long term storage, it is recommended to store desiccated below -20 °C in a manual defrost freezer. Following reconstitution, the protein may be stored for 2 weeks under sterile conditions at -20 °C. For long term storage, it is recommended to make appropriate aliquots and store at -80 °C. Avoid repeated freeze-thaw cycles.