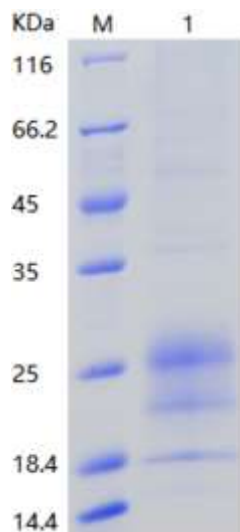


Recombinant Human Interferon gamma/IFN-gamma (C-His)

Catalog No: BP069

Description	Recombinant Human Interferon gamma is produced by Human 293 Cells. The target gene encoding Q24-G161 is expressed with an 8His tag at the C terminus.
Expression System	Human
Alternative name	Interferon-gamma; Interferon- γ ; IFNG
Accession No.	P01579
Predicted Molecular Weight	19.9kDa
Apparent Molecular Weight	IFN-gamma protein appeared at 18.4-25kDa in a reducing SDS-PAGE gel (not clear)
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/ μ g (1 EU/ μ g) as determined by TAL test.
Formulation	PBS, pH 7.4
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Background	Interferon-gamma (IFN-gamma) is a secreted protein that belongs to the type II class of interferon. IFN-gamma is produced primarily by natural killer and natural killer T cells as part of the innate immune response, and by CD4 and CD8 cytotoxic T lymphocyte effector T cells once antigen-specific immunity develops. IFN-gamma plays broader roles in the activation of innate and adaptive immune responses to viruses and tumors, in part through upregulating transcription of genes involved in cell cycle regulation, apoptosis, and antigen presentation. The importance of IFN-gamma in the immune system stems in part from its ability to inhibit viral replication directly, and most importantly from its immunostimulatory and immunomodulatory effects.

SDS-PAGE



M: Marker

1: Sample in reducing conditions