

## Recombinant human IFN $\gamma$ protein (Active, CHO)

Catalog Number: bs-48079P

Species: Human

AA Seq: 24-166/166

Predicted MW: 16.8

Tags: Tag free

Activity: Yes

Endotoxin:  $\leq 10$  EU/mg

Purity:  $\geq 95\%$  as determined by SDS-PAGE.

Purification: AC

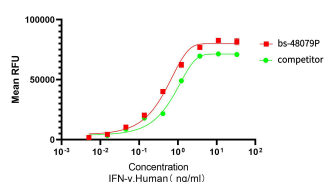
Form: Lyophilized

Storage: PBS, 5% Mannitol and 0.01% Tween 80 (pH=7.4)

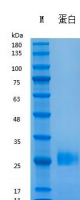
Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 36 months at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  in lyophilized state. 6 months at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  under sterile conditions after reconstitution. 7-10 days at  $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$  under sterile conditions after reconstitution.

**Background:** Mammalian Interferon gamma is mainly produced by T lymphocytes and NK cells. It is a pleiotropic cytokine involved in the regulation of nearly all phases of immune and inflammatory responses, including the activation, growth and differentiation of T cell, B cells, macrophages, NK cells and other cell types such as endothelial cells and fibroblasts. It has weak antiviral and antiproliferative activity, and potentiates the antiviral and anti tumor effects of IFN alpha / beta (type I interferon). It is upregulated by IL2, FGF basic, EGF and downregulated by vitamin D3 or DMN. Labile at pH 2.

### VALIDATION IMAGES



Measured in a cell proliferation assay using Mo7e human leukemia cell line. The ED50 for this effect is  $\leq 2$  ng/mL.



The purity of the protein is greater than 95% as determined by reducing SDS-PAGE.