

Recombinant human IFN γ protein (Active, E.coli)

Catalog Number: bs-48080P

Species: Human

AA Seq: 24-166/166

Predicted MW: 16.8

Tags: Tag free

Activity: Yes

Endotoxin: ≤ 10 EU/mg

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

Purification: AC

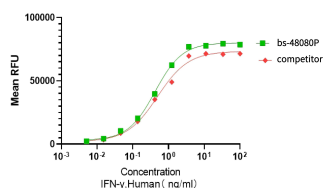
Form: Lyophilized

Storage: Lyophilized from a 0.22 μ m filtered solution containing 10mM PB, 5% Trehalose and 0.01% Tween 80, pH7.4

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 36 months at -20°C to -80°C in lyophilized state. 6 months at -20°C to -80°C under sterile conditions after reconstitution. 7-10 days at 2°C to 8°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 ≤ 2 ng/mL, corresponding to a specific activity of $\geq 2 \times 10^7$ units/mg.