

CHAMOT

**重组人干扰素 γ / Recombinant IFN gamma,
Human, GMP**

CM081-100HPG

CM081-1000HPG



CHAMOT

乔默®生物

Specialize In Cytokines



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重组人干扰素 γ / Recombinant IFN gamma, Human, GMP

产品编号	CM081-100HPG	CM081-1000HPG
规格	100 ug	1 mg

产品简介

背景描述

The cytokine IFN gamma could protect cells from viral infections and belongs to the family of interferons. A lot of studies have shown that IFN gamma secreted by antigen triggered cell types, including T cells, naive CD4+ T cells, macrophages, dendritic cells, and B cells. IFN gamma plays an important role to trigger the macrophage act against a diverse group of microbial targets, and the pleiotropic molecule associated with antiproliferative, pro-apoptotic and antitumor mechanisms. Based on the effector cytokine considered as a major effector of immunity, it has been used in the treatment of several diseases.

别称

interferon gamma, Type II interferon, T-cell interferon, MAF

蛋白编码

P01579

分子量

The protein has a calculated MW of 17.7 kDa. The protein migrates as 17 kDa under reducing condition (SDS-PAGE analysis).

表达系统

Escherichia coli

纯度

>97% as determined by SDS-PAGE analysis.

生物活性

Measure by its ability to induce cytotoxicity in HT29 cells. The ED₅₀ for this effect is <1 ng/mL. The specific activity of recombinant human IFN gamma GMP is approximately $>2 \times 10^6$ IU/mg, which is calibrated against the human IFN Gamma WHO Reference Material (NIBSC code: 87/586).

内毒素检测

<0.05 EU per 1 μ g of the protein by the LAL method.

蛋白序列

MQDPYVKEAENLKKEYFNAGHSDVADNGTLFLGILKNWKEESDRKIMQSQIVSFYFKLFKNFK
DDQSIQKSVETIKEDMNVKFFNSNKKKRDDFEKLTNYSVTDLNVQRKAIHELIVMAELSPAA
KTGKRKRSQMLFQGRRASQ with polyhistidine tag at the C-terminus.

支原体

Not detected

产品形式

Lyophilized from a 0.2 μ m filtered solution of PBS, pH 8.0.

产品应用

Cell Culture

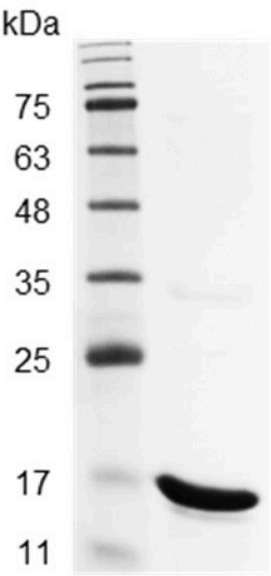
产品使用

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 0.5 mg/mL and incubate the stock solution at RT for at least 20 min to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

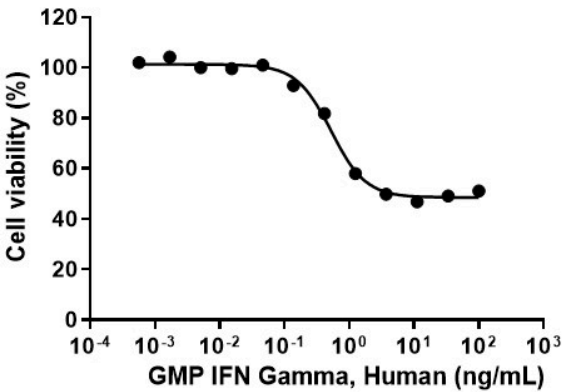
产品储存/运输

储存	Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.
运输	Blue Ice

实验数据展示



SDS- PAGE analysis of GMP human IFN gamma



GMP Human IFN Gamma Protein, His Tag, E. coli induces cytotoxicity in HT29 cells, with the ED₅₀ <1.0 ng/mL.

For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. www.chamot-bio.com

Tel: 021-51880030 Mail: info@chamot-bio.com QQ: 864920491