

CHAMOT

**重组猪干扰素gamma /Recombinant IFN gamma,
Swine, Animal-Free**

CM012-5SP

CM012-20SP

CM012-100SP

CM012-500SP

CM012-1000SP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组猪干扰素gamma /Recombinant IFN gamma, Swine, Animal-Free

产品编号	CM012-5SP	CM012-20SP	CM012-100SP	CM012-500SP	CM012-1000SP
规格	5 µg	20 µg	100 µg	500 µg	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, IFNG

蛋白编码

P17803

分子量

The protein has a calculated MW of 17.7 kDa. The protein migrates as 15 kDa under reducing condition (SDS-PAGE analysis).

表达系统

Escherichia coli

纯度

>95% as determined by SDS-PAGE.

生物活性

Measure by its ability to protect PK15 cells infected with encephalomyocarditis (EMC) virus. The ED₅₀ for this effect is <40 pg/mL.

内毒素检测

<0.01 EU per 1 µg of the protein by the LAL method.

蛋白序列

MQAPFFKEITILKDYFNASTSDVPNGGPLFLEILKNWKEESDKKIIQSQIVSFYFKFFEIFKDNQAI
QRSMDVIKQDMFQRFLNGSSGKLNDFEKLIKIPVDNLQIQRKAISELIKVMNDLSPRSNLRKRK
RSQTMFQGQRASK with polyhistidine tag at the C-terminus.

产品形式

The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

产品应用

Cell Culture

产品使用

1. Before opening, centrifuge at 3000 rpm for 5 mins.

2. Initial Reconstitution

- Reconstitute the Lyophilized Protein in sterile H₂O to a concentration of 100-200 µg/mL.
- Then, incubate it at room temperature for at least 20 mins to ensure sufficient dissolution.

Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

- Store at 2°C to 8°C for up to 1 week.

3. Extended Storage

- After the initial reconstitution, further dilute the reconstituted protein in a buffer containing a carrier protein or stabilizer (e.g., 0.1% BSA, 10% FBS, 5% HSA, or 5% trehalose solution). The final concentration is not less than 10 µg/mL.

- Prepare aliquots (≥20 µl).
- Store at -20°C or -80°C for 3 to 6 months.

Avoid repeated freeze-thaw cycles.

产品储存/运输

Lyophilized Protein: Store at -20°C for 1 year.

储存

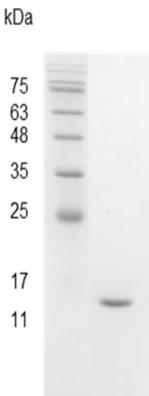
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

Extended Storage: Store at -20°C or -80°C for 3 to 6 months with a carrier protein or stabilizer.

运输

Blue Ice

实验数据展示



For Research Use or Further Manufacturing Only

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