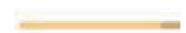


# CHAMOT

重组人干扰素gamma /Recombinant IFN gamma,  
Human, Animal-Free

CM081-20HP



CM081-100HP



CM081-500HP



CM081-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

# CONTENTS

1 产品简介

2 产品使用

3 产品储存/运输

4 实验数据展示

5 文献引用

## 重组人干扰素gamma /Recombinant IFN gamma, Human, Animal-Free

产品编号	CM081-20HP	CM081-100HP	CM081-500HP	CM081-1000HP
规格	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, 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

>95% as determined by SDS-PAGE.

#### 生物活性

Measure by its ability to induce cytotoxicity in HT29 cells. The ED<sub>50</sub> for this effect is <1 ng/mL. The specific activity of recombinant human IFN gamma is approximately > 1 x 10<sup>7</sup> IU/mg.

#### 内毒素检测

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

#### 蛋白序列

MQDPYVKEAENLKKYFNAGHSDVADNGTLFLGILKNWKEESDRKIMQSQIVSFYFKLFKNFK  
 DDQSIQKSVETIKEDMNVKFFNSNKKRDDFEKLTNYSVTDLNVQRKAIHELIQVMAELSPA  
 KTGKRKRSQMLFQGRRASQ 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 8.0. 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 H<sub>2</sub>O 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 ( $\geq 20 \mu\text{l}$ ).
- 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

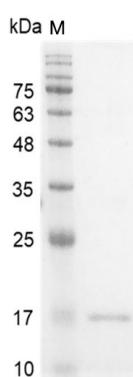
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



## 文献引用

- Aminosalicylates target GPR35, partly contributing to the prevention of DSS-induced colitis. *Eur J Pharmacol.* 2023 Jun 15;949:175719. (IF 5.195)(Human IFN- $\gamma$ )

For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. [www.chamot-bio.com](http://www.chamot-bio.com)

Tel: 021-51880030 Mail: [info@chamot-bio.com](mailto:info@chamot-bio.com) QQ: 864920491