

# CHAMOT

**重组小鼠干扰素beta 1a /Recombinant IFN beta 1a,  
Mouse, Animal-Free**

CM051-5MP

CM051-20MP

CM051-100MP

CM051-500MP

CM051-1000MP



CHAMOT

乔默®生物

*Specialize In Cytokines*



# CONTENT

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

## 重组小鼠干扰素beta 1a /Recombinant IFN beta 1a, Mouse, Animal-Free

产品编号	CM051-5MP	CM051-20MP	CM051-100MP	CM051-500MP	CM051-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Interferon Beta 1a (IFN beta 1a) is a leukocyte interferon, which is a variant of Interferon beta. IFN beta 1a is a 17.87 kDa protein containing 161 amino acid residues. It could bind the interferon receptors that activates the signal transduction of immune responses through the Jak/STAT pathway in leukocytes and lymphoblastoid cells.

#### 别称

interferon beta 1a, IFNB1, Type I Interferon

#### 蛋白编码

P01575

#### 分子量

The protein has a calculated MW of 20.68 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

#### 表达系统

Escherichia coli

#### 纯度

>98% as determined by SDS-PAGE.

#### 生物活性

Measure by its ability to protect HeLa cells infected with encephalomyocarditis (EMC) virus. The ED<sub>50</sub> for this effect is <5 pg/mL. The specific activity of recombinant mouse IFN beta 1a is > 1 x 10<sup>9</sup> IU/mg.

#### 内毒素检测

<0.1 EU per 1 µg of the protein by the LAL method.

#### 蛋白序列

MINYKQLQLQERTNIRKQCELLEQLNGKINLTyrADFKIPMEMTEKMQKSYTAFAlQEMLQNV  
FLVFRN NFSSTGWN ETIVVRLDELHQQT VFLKTVLEEKQEERLTWEMSS TALH LKSY YWRVQ  
RYLKLMKYNSYAWMVVRAE IFRN FLIIRL TRNFQN 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 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 (≥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

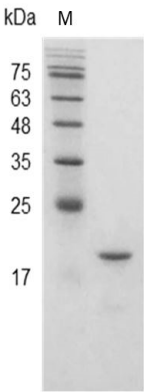
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



## 文献引用

- RTP4 restricts lyssavirus rabies infection by binding to viral genomic RNA. Veterinary Microbiology. 19 June 2024, 110159. (IF 2.4)(Mouse IFN- $\beta$ )

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