

# 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

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## 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 $\mu$ g	20 $\mu$ g	100 $\mu$ g	500 $\mu$ g	1 mg

### 产品简介

<b>背景描述</b>	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.
<b>别称</b>	interferon beta 1a, IFNB1, Type I Interferon
<b>蛋白编码</b>	P01575
<b>分子量</b>	The protein has a calculated MW of 20.68 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).
<b>表达系统</b>	Escherichia coli
<b>纯度</b>	>98% as determined by SDS-PAGE.
<b>生物活性</b>	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.
<b>内毒素检测</b>	<0.1 EU per 1 $\mu$ g of the protein by the LAL method.
<b>蛋白序列</b>	MINYKQLQLQERTNIRKCQELLEQLNGKINLTYRADFKIPMEMTEKMQKSYTAFAIQEMLQNVFLVFRNNFSSTGWNETIVVRLDELHQQTFLKTGLEEKQEERLTWEMSSTALHLKSYYWRVQRYLKLMKYNSYAWMVVRAEIFRNFLIIRRLTRNFQN with polyhistidine tag at the C-terminus
<b>产品形式</b>	The protein was lyophilized from a 0.2 $\mu$ m filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.
<b>产品应用</b>	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

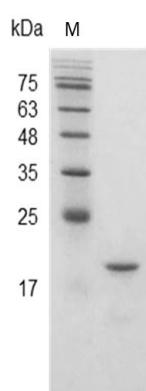
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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

- 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

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