

# CHAMOT

**重组人类干扰素beta 1a /Recombinant IFN beta 1a,  
Human, Animal-Free**

CM080-5HP

CM080-20HP

CM080-100HP

CM080-500HP

CM080-1000HP



CHAMOT

乔默®生物

*Specialize In Cytokines*



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## 重组人类干扰素beta 1a /Recombinant IFN beta 1a, Human, Animal-Free

产品编号	CM080-5HP	CM080-20HP	CM080-100HP	CM080-500HP	CM080-1000HP
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 19 kDa protein containing 166 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** P01574

**分子量** The protein has a calculated MW of 20.84 kDa. The protein migrates as 15 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 induce cytotoxicity in TF-1 cells. The ED<sub>50</sub> for this effect is <0.1 ng/mL. The specific activity of recombinant human IFN beta 1a is approximately >1 x10<sup>7</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** MSYNLLGFLQRSSNFQCQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYEML QNIFAI FRQDSSSTGWN ETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSLHLKRYYG RILHYLKAKEYSHCAWTIVRVEILRN FYFINRLTG YLRN 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 (≥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

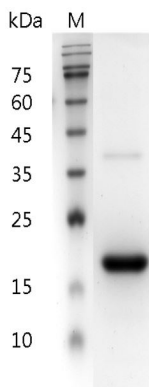
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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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