

# CHAMOT

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

**CM082-20HP**

**CM082-100HP**

**CM082-500HP**

**CM082-1000HP**



**CHAMOT**

乔默®生物

*Specialize In Cytokines*

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

|      |            |             |             |              |
|------|------------|-------------|-------------|--------------|
| 产品编号 | CM082-20HP | CM082-100HP | CM082-500HP | CM082-1000HP |
| 规格   | 20 µg      | 100 µg      | 500 µg      | 1 mg         |

### 产品简介

|       |                                                                                                                                                                                                                                                                                                                                        |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 背景描述  | Interferon Omega (IFN- $\omega$ ) is a 20.12 kDa member of type I IFN family with 173 amino acid residues. IL-28B is expressed by epithelial tissues. IFN- $\omega$ with antiviral, antitumor activity and regulating the innate immune response. Able to activate P13K/Akt signaling pathway via binding its receptor IFNAR in cells. |
| 别称    | interferon omega, IFN alpha II-1, IFNW1                                                                                                                                                                                                                                                                                                |
| 蛋白编码  | P05000                                                                                                                                                                                                                                                                                                                                 |
| 分子量   | The protein has a calculated MW of 20.93 kDa. The protein migrates as 20 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 TF-1 cells. The ED <sub>50</sub> for this effect is <0.02 ng/mL. The specific activity of recombinant human IFN omega is approximately >5 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  | MCDLPQNHGLLSRNTLVLLHQMRRISPFLCLKDRRDFRFPQEMVKGSQQLQKAHVMSVLHEMLQQIFSLFHTERSSAAWNMTLLDQLHTGLHQQQLQHLETCLLQVVGEGESAGAISSPALTLLRRYFQGIRVYLKEKKYSDCAWEVVRMEIMKSLFLSTNMQERLRSKDRDLGSS 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

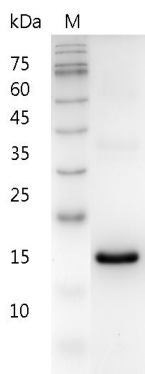
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



For Research Use or Further Manufacturing Only

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