

# CHAMOT

## 重组人白细胞介素7 /Recombinant IL-7, Human, Animal-Free

CM009-5HP



CM009-20HP



CM009-100HP



CM009-500HP



CM009-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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## 重组人白细胞介素7 /Recombinant IL-7, Human, Animal-Free

产品编号	CM009-5HP	CM009-20HP	CM009-100HP	CM009-500HP	CM009-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

<b>背景描述</b>	Interleukin-7 (IL-7) is a multipotent cytokine belonged to one of the members of IL-2 superfamily. IL-7 has diverse effects on the hematopoietic and immune regulations. IL-7 is a trophic factor that is necessary for both B cell and T cell proliferation and development. In addition, it presents potential antitumor effects in tumors such as glioma, melanoma, lymphoma, leukemia, prostate cancer, and glioblastoma.
<b>别称</b>	interleukin 7, Lymphopoietin 1(LP-1), pre-B-cell factor, IL7
<b>蛋白编码</b>	P13232
<b>分子量</b>	The protein has a calculated MW of 18.3 kDa. The protein migrates as 19 kDa under reducing condition (SDS-PAGE analysis).
<b>表达系统</b>	Escherichia coli
<b>纯度</b>	>95% as determined by SDS-PAGE.
<b>生物活性</b>	Measured in a cell proliferation assay using PHA-activated human peripheral blood lymphocytes (PBMC). The ED <sub>50</sub> for this effect is <0.8 ng/mL. The specific activity of recombinant human IL-7 is > 1 x 10 <sup>8</sup> IU/mg.
<b>内毒素检测</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>蛋白序列</b>	MDCDIEGKDQYESVLMVSIDQLLDSMKEIGSNCLNNEFFKRHICDANKEGMFLFRAAR KLRQFLKMNSTGDFDLHLLKVSEGTTILLNCTGQVKGRKPAALGEAQPTKSLEENKSLKEQKKL NDLCFLKRLLQEIKTCWNKILMGTEH with polyhistidine tag at the C-terminus.
<b>产品形式</b>	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.
<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

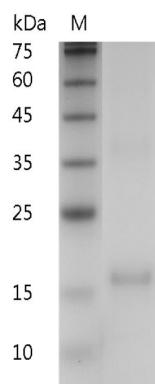
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



SDS-PAGE analysis of recombinant human IL-7

For Research Use or Further Manufacturing Only

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