

# CHAMOT

**重组人白细胞介素7 / Recombinant IL-7, Human,  
GMP**

CM009-100HPG

CM009-1000HPG



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

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

|      |              |               |
|------|--------------|---------------|
| 产品编号 | CM009-100HPG | CM009-1000HPG |
| 规格   | 100 ug       | 1 mg          |

### 产品简介

**背景描述** 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.

**别称** interleukin 7, Lymphopoietin 1(LP-1), pre-B-cell factor, IL7

**蛋白编码** P13232

**分子量** The protein has a calculated MW of 18.3 kDa. The protein migrates as 19 kDa under reducing condition (SDS-PAGE analysis).

**表达系统** Escherichia coli

**纯度** >97% as determined by SDS-PAGE analysis.

**生物活性** Measured by its ability to induce PHA-activated human PBMCs proliferation. The ED<sub>50</sub> for this effect is <0.8 ng/mL. The specific activity of recombinant human IL-7 GMP is > 1 x 10<sup>8</sup> unit/mg, which is calibrated against the human IL-7 WHO Reference Reagent (NIBSC code: 90/530).

**内毒素检测** <0.05 EU per 1 µg of the protein by the LAL method.

**蛋白序列** MDCDIEGKDGGKQYESVLMVSIQQLDLSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAAR KLRQFLKMNSTGDFDLHLLKVSEGTTILLNCTGQVKGRKPAALGEAQPTKSLEENKSLKEQKKL NDLCFLKRLQEIKTWCNKMILMGTKEH with polyhistidine tag at the C-terminus.

**支原体** Not detected

**产品形式** Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.

**产品应用** Cell Culture

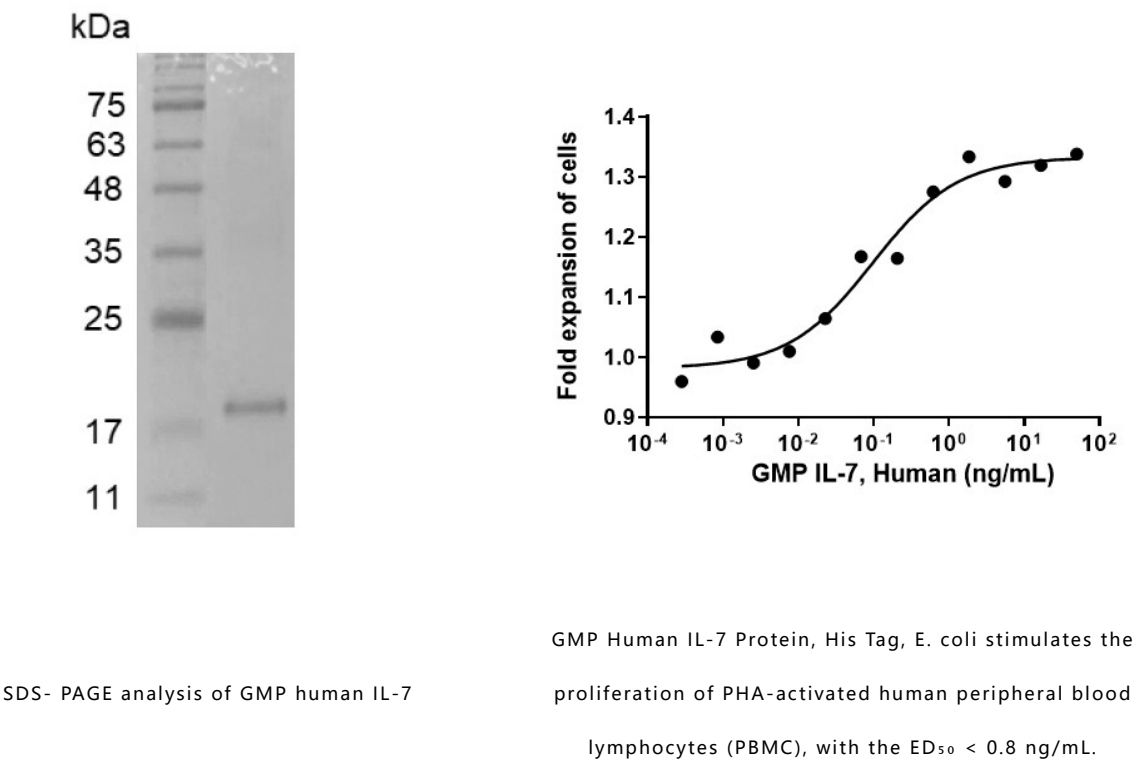
产品使用

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 0.5 mg/mL and incubate the stock solution at RT for at least 20 min to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

产品储存/运输

|    |                                                                                                                                                                                                                                                                                                                                                            |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 储存 | Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles. |
| 运输 | Blue Ice                                                                                                                                                                                                                                                                                                                                                   |

实验数据展示



For Research Use or Further Manufacturing Only

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