

# CHAMOT

**重组人白细胞介素29 /Recombinant IL-29, Human,  
Animal-Free**

CM034-5HP

CM034-20HP

CM034-100HP

CM034-500HP

CM034-1000HP



CHAMOT

乔默®生物

*Specialize In Cytokines*

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## 重组人白细胞介素29 /Recombinant IL-29, Human, Animal-Free

产品编号	CM034-5HP	CM034-20HP	CM034-100HP	CM034-500HP	CM034-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Interleukin 29 (IL-29) is a cytokine, predicts a molecular mass of 21.9 kDa. It belongs to type III interferons group, also termed interferons  $\lambda$  (IFN- $\lambda$ ). Its induction of STAT3-STAT5 has also been displayed, albeit to a lesser degree. The STAT1 /STAT2 signaling cascade transpires as follows: once tyrosine residues on STAT1 and STAT2 are phosphorylated, these proteins dimerize and are subsequently transported to the nucleus.

#### 别称

interleukin 29, IFN- $\lambda$ 1, IL29

#### 蛋白编码

Q8IU54

#### 分子量

The protein has a calculated MW of 20.70 kDa. The protein migrates as 22 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 IL-8 secretion in HuH7 cells. The ED<sub>50</sub> for this effect is <6 ng/mL.

#### 内毒素检测

<0.1 EU per 1 µg of the protein by the LAL method.

#### 蛋白序列

MPTSKPTTTGKGCHIGRFKSLSPQELASFKKARDALEESLKLKNWSCSSPVFPGNWDLRLLQV  
RERPVALEAELALTLKVLEAAAGPALEDVLDQPLHTLHHILSQLQACIQPQPTAGPRPRGRLHH  
WLHRLQEAPKKESAGCLEASVTNLFRLTRDLKYVADGNLCLRTSTHPEST 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

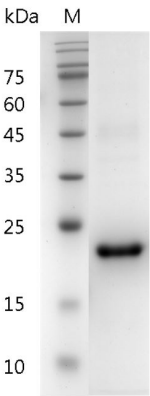
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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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