

# CHAMOT

**重组人白细胞介素34 /Recombinant IL-34, Human,  
Animal-Free**

CM039-5HP

CM039-20HP

CM039-100HP

CM039-500HP

CM039-1000HP



CHAMOT

乔默®生物

*Specialize In Cytokines*



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## 重组人白细胞介素34 /Recombinant IL-34, Human, Animal-Free

产品编号	CM039-5HP	CM039-20HP	CM039-100HP	CM039-500HP	CM039-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Interleukin-34 (IL-34) is a 30 kDa cytokine with 223 amino acid residues. IL-34 is a ligand of CSF-1R and secreted from CSF-1R expressing cells like myeloid cells, epithelial cells, endothelial cells, fibroblasts, and neurons. IL-34 mediates cell survival, proliferation, cytokine/chemokine expression, and migration via activating several signaling pathways. Moreover, it also plays a critical role in developing and maintaining the mononuclear phagocytic system.

#### 别称

interleukin 34, C16orf77, IL34

#### 蛋白编码

Q6ZMJ4

#### 分子量

The protein has a calculated MW of 26.17 kDa. The protein migrates as 30 kDa under reducing condition (SDS-PAGE analysis).

#### 表达系统

Escherichia coli

#### 纯度

>98% as determined by SDS-PAGE and SEC-HPLC.

#### 生物活性

Measure by its ability to induce human peripheral blood monocytes (PBMCs) proliferation. The ED<sub>50</sub> for this effect is <30 pg/mL.

#### 内毒素检测

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

#### 蛋白序列

MNEPLEMWPLTQNEECTVTGFLRDKLQYRSRLQYMKHYFPINYKISVPYEGVFRIANVTRLQR  
AQVSERELRYLWVLVLSATESVQDVLLEGHPWSWKYLQEVETLLNINVQQGLTDVEVSPKVESVL  
SLLNAPGPNLKLVRPKALLDNCFRVMELLYCSCCKQSSVLNWQDCEVPSPQSCSPEPSLQYAA  
TQLYPPPPWSPSSPPHSTGSRPVRAQGEGLLP 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

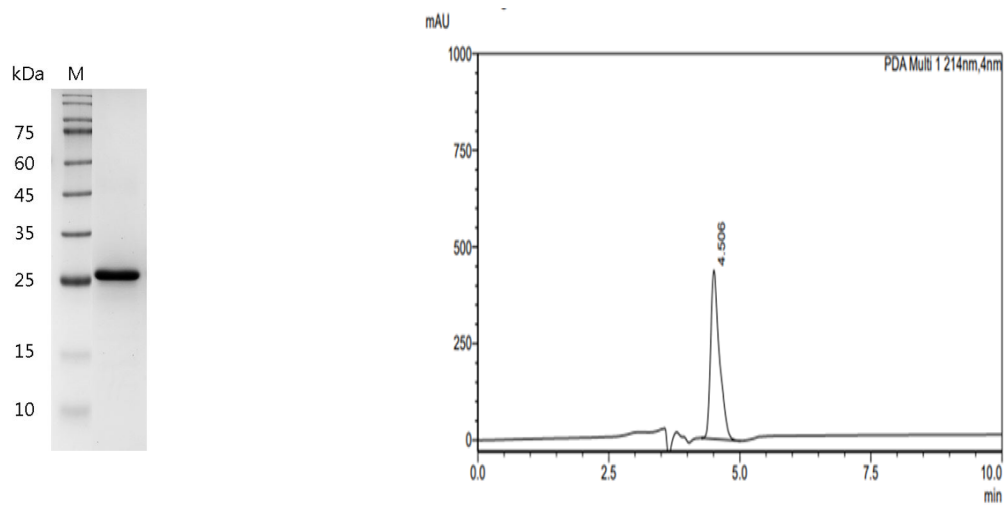
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



SDS-PAGE analysis of recombinant human IL-34

The purity of recombinant human IL-34 is greater than 98% as determined by SEC-HPLC.

For Research Use or Further Manufacturing Only

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