

# CHAMOT

**重组小鼠白细胞介素34 /Recombinant IL-34,  
Mouse, Animal-Free**

CM031-5MP

CM031-20MP

CM031-100MP

CM031-500MP

CM031-1000MP



CHAMOT

乔默®生物

*Specialize In Cytokines*

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## 重组小鼠白细胞介素34 /Recombinant IL-34, Mouse, Animal-Free

产品编号	CM031-5MP	CM031-20MP	CM031-100MP	CM031-500MP	CM031-1000MP
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 23.98 kDa cytokine with 216 amino acid residues. IL-34 is a ligand of the colony-stimulating factor 1 receptor (CSF-1R) and is mainly secreted from the adrenal, frontal lobe, and cortex. IL-34 play a vital role in the proliferation, survival, differentiation, and migration of myeloid cells. These functions are mediated by IL-33 activating ERK1 /2, JAK, and PI3K/AKT signal pathways.

#### 别称

interleukin 34, 2010004A03Rik, IL34

#### 蛋白编码

Q8R1R4

#### 分子量

The protein has a calculated MW of 25.52 kDa. The protein migrates about 25 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 proliferation in NFS-60 cells. The ED<sub>50</sub> for this effect is <30 ng/mL. The specific activity of recombinant mouse IL-34 is > 3.3 x 10<sup>4</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

MNENLEIWTLTQDKECDLTGYLRGKLQYKNRLQYMKHYFPINYRIAVPYEGVLRVANITRLQKA  
HVSERELRYLWVLVSLNATESVMDVLLEGHPWKYLQEVQTLLENVQRSLMDVEIGPHVEAVL  
SLLSTPGLSLKLVKPKALLDNCFRVMELLYCSCCKQSPILKWQDCELPRLPHSPGSLMQCTAT  
NVYPLSRQTPTSLPGSPSSSHGSLP 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

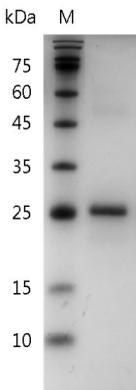
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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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