

# CHAMOT

**重组人白细胞介素37 /Recombinant IL-37, Human,  
Animal-Free**

CM044-5HP

CM044-20HP

CM044-100HP

CM044-500HP

CM044-1000HP



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37 /Recombinant IL-37, Human, Animal-Free

产品编号	CM044-5HP	CM044-20HP	CM044-100HP	CM044-500HP	CM044-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Interleukin-37 (IL-37) consists of 192 amino acids. IL-37 is a member of the interleukin-1 cytokine family. The primary function is binding to the interleukin-18 receptor (IL18R1 /IL-1Rrp) and then becoming a subunit to inhibit the activity of IL-18. This behavior often occurs between various immune responses. It also significantly affects the negative regulation of tumor necrosis factor production.

#### 别称

interleukin 37, IL-1F7, IL-1ζ (zeta), IL-1H4, FIL1, FIL1Z, IL37

#### 蛋白编码

Q9NZH6

#### 分子量

The protein has a calculated MW of 19.49 kDa. The protein migrates as 22 kDa under reducing condition (SDS-PAGE analysis).

#### 表达系统

Escherichia coli

#### 纯度

>95% as determined by SDS-PAGE.

#### 生物活性

Measured by its ability to inhibit LPS-stimulated IL-8 secretion in human PBMCs. The ED<sub>50</sub> for this effect is <1 µg/mL.

#### 内毒素检测

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

#### 蛋白序列

MKLNLPKKFSIHDQDQDHKVLVLD SGNLI AVDPK NYIRPEIFFALASSLSSASA EKGSPILLGVSKGE FCLYCDKDKGQSHPSLQLKKEKLMKLA AQKESARRPFIFYRAQVGSWNMLESA AHPGWFICT SCNCNEPVGVTDKFENRKHIEFSFQPVCKAEMSPSEVSD 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

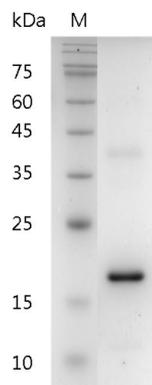
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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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