

# CHAMOT

**重组人趋化因子CCL3 /Recombinant CCL3, Human,  
Animal-Free**

**CM129-5HP**

**CM129-20HP**

**CM129-100HP**

**CM129-500HP**

**CM129-1000HP**



**CHAMOT**

乔默®生物

*Specialize In Cytokines*



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## 重组人趋化因子CCL3 /Recombinant CCL3, Human, Animal-Free

产品编号	CM129-5HP	CM129-20HP	CM129-100HP	CM129-500HP	CM129-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

C-C Motif Chemokine Ligand 3 (CCL3) is a 7.33Da cytokine with 66 amino acid residues. CCL3 is also called macrophage inflammatory protein 1-alpha (MIP-1-alpha) and is expressed in bone marrow and liver. Upon binding to the receptor, CCR1, CCR4, or CCR5, CCL3 plays an essential role in acute inflammatory responses like recruitment and activation of polymorphonuclear leukocytes and induction of monophasic fever. In addition, CCL3 participates in resistance to type 1 virus infection, mediation of MAPK signaling pathway, cell-cell signaling, and calcium-mediated signaling.

#### 别称

C-C motif chemokine ligand 3, MIP-1a: Macrophage Inflammatory Protein-1α, LD78α

#### 蛋白编码

P10147

#### 分子量

The protein has a calculated MW of 8.4 kDa. The protein migrates as 8-11 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

Measure by its ability to chemoattract human THP1 cells using a concentration range of 1-10 ng/mL.

#### 内毒素检测

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

#### 蛋白序列

ADTPTACCFSYTSRQIPQNFADYFETSSQCSKPGVIFLTKRSRQVCADPSEEWVQKYVSDLELS A with polyhistidine tag at the N-terminus

#### 产品形式

The protein was lyophilized from a 0.2 µm filtered solution containing 1×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

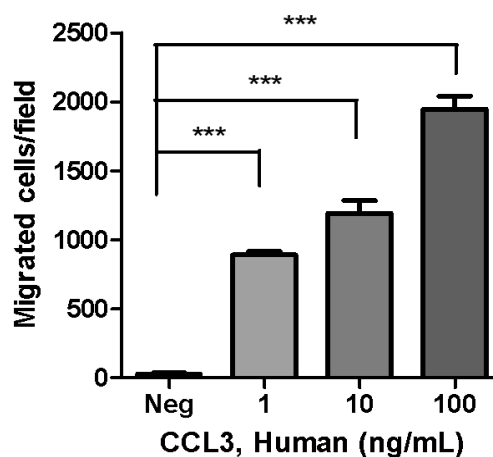
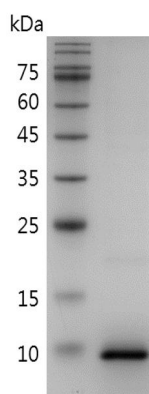
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



Activity analysis of recombinant human CCL3, His Tag, E. coli.

SDS-PAGE analysis of recombinant human CCL3      Measure by its ability to chemoattract human THP1 cells using a concentration range of 1-10 ng/mL.

For Research Use or Further Manufacturing Only

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