

# CHAMOT

**重组人趋化因子CCL2 /Recombinant CCL2, Human,  
Animal-Free**

CM128-5HP

CM128-20HP

CM128-100HP

CM128-500HP

CM128-1000HP



CHAMOT

乔默®生物

*Specialize In Cytokines*



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## 重组人趋化因子CCL2 /Recombinant CCL2, Human, Animal-Free

产品编号	CM128-5HP	CM128-20HP	CM128-100HP	CM128-500HP	CM128-1000HP
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 2 (CCL2) is an 8.44 kDa cytokine with 76 amino acid residues and is also known as monocyte chemoattractant protein 1 (MCP1). The CCL2 secreted from monocytes, macrophages, and dendritic cells. Upon binding with CCR4, it regulates many biological functions, such as recruitments of monocytes, memory T cells, and dendritic cells, response to TNF- $\alpha$  and Interferon- $\gamma$ , angiogenesis, cellular homeostasis, and cytoskeleton organization.

#### 别称

C-C motif chemokine ligand 2, Monocyte Chemotactic Protein-1, MCP-1, MCP1

#### 蛋白编码

P13500.1

#### 分子量

The protein has a calculated MW of 9.49 kDa. The protein migrates as 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 10-50 ng/mL.

#### 内毒素检测

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

#### 蛋白序列

QPDAINAPVTCCYNFTNRKISVQRLASYRRITSSKCPKEAVIFKTIVAKEICADPKQKWVQDSMDHLDKQTQTPKT with polyhistidine tag at the N-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

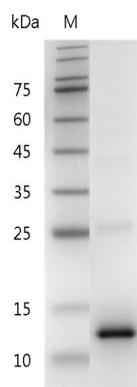
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



SDS-PAGE analysis of recombinant human CCL2

For Research Use or Further Manufacturing Only

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