

# CHAMOT

**重组人趋化因子CXCL10 /Recombinant CXCL10,  
Human, Animal-Free**

CM126-5HP

CM126-20HP

CM126-100HP

CM126-500HP

CM126-1000HP



CHAMOT

乔默®生物

*Specialize In Cytokines*

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## 重组人趋化因子CXCL10 /Recombinant CXCL10, Human, Animal-Free

产品编号	CM126-5HP	CM126-20HP	CM126-100HP	CM126-500HP	CM126-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

C-X-C motif chemokine 10 (CXCL10) also named Interferon gamma-induced protein 10 (IP-10), which is a chemokine of the intercrine alpha family. CXCL10 is a 8.55kDa protein containing 77 amino acid residues. CXCL10 is produced by the several cell types like monocytes and endothelial cells, which are responded for IFN $\gamma$ . CXCL10 is a chemotaxis for T cells, NK cells and macrophages. CXCL10 also binds the CXCR3 that induce the cell migration and activation like T cells and dendritic cells.

#### 别称

C-X-C motif chemokine 10, IP-10, Gamma-Interferon Inducible Protein 10, Crg-2, IP10

#### 蛋白编码

P02778

#### 分子量

The protein has a calculated MW of 9.45 kDa. The protein migrates as 9-11 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 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

VPLSRTVRCTCISISNQPVNPRSLEKLEIIPASQFCPRVEIIATMKKKGKRCCLNPESKAIKNLLKAV SKERSKRSP 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

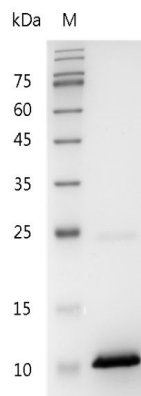
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**Extended Storage:** Store at -20°C or -80°C for 3 to 6 months with a carrier protein or stabilizer.

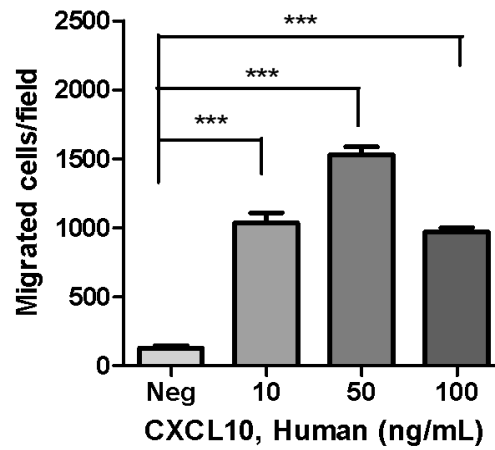
### 运输

Blue Ice

## 实验数据展示



SDS-PAGE analysis of recombinant human  
CXCL10



Activity analysis of recombinant human CXCL10, His Tag, E. coli.  
Measure by its ability to chemoattract human THP1 cells using a  
concentration range of 10-50 ng/mL.

For Research Use or Further Manufacturing Only

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