

# CHAMOT

**重组人趋化因子CXCL11 /Recombinant CXCL11,  
Human, Animal-Free**

**CM166-5HP**

**CM166-20HP**

**CM166-100HP**

**CM166-500HP**

**CM166-1000HP**



**CHAMOT**

乔默®生物

*Specialize In Cytokines*



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## 重组人趋化因子CXCL11 /Recombinant CXCL11, Human, Animal-Free

|      |           |            |             |             |              |
|------|-----------|------------|-------------|-------------|--------------|
| 产品编号 | CM166-5HP | CM166-20HP | CM166-100HP | CM166-500HP | CM166-1000HP |
| 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 11 (CXCL11) also named Interferon-gamma-inducible protein 9 (IP-9), which is a chemokine of the intercrine alpha family. CXCL11 is a 8.1kDa protein containing 73 amino acid residues. To CXCR3, CXCL11 has higher affinity than CXCL10 and CXCL9 which plays a role in immune activation. CXCL11 induces the activation of T cells which is also a chemotaxis for T cells. The CXCL11 produced in response for IFN Family.

#### 别称

C-X-C motif chemokine 11, Interferon Inducible T-Cell  $\alpha$  Chemokine, I-TAC, B-R1

#### 蛋白编码

O14625

#### 分子量

The protein has a calculated MW of 9.11 kDa. The protein migrates as 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 10-100 ng/mL.

#### 内毒素检测

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

#### 蛋白序列

FPMFKRGRCLCIGPGVKAVKVADIEKASIMYPSNNCDKIEVIITLKENKGQRCLNPKSKQARLIHKVERKNF 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

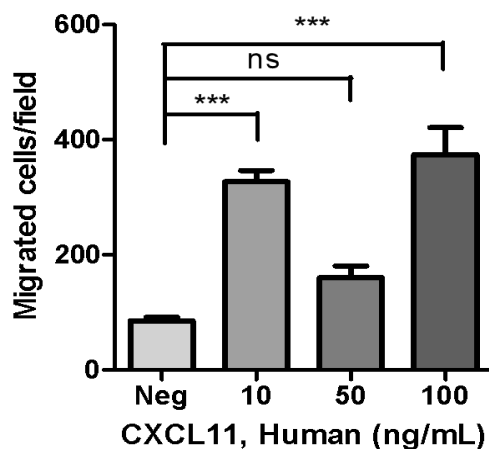
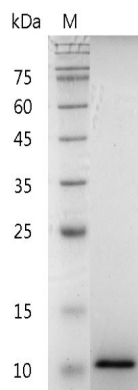
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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  
CXCL11

Activity analysis of recombinant human CXCL11, His Tag, E. coli.  
Measure by its ability to chemoattract human THP1 cells using a  
concentration range of 10-100 ng/mL.

For Research Use or Further Manufacturing Only

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