

# CHAMOT

**重组人趋化因子CXCL4 /Recombinant CXCL4,  
Human, Animal-Free**

CM162-5HP

CM162-20HP

CM162-100HP

CM162-500HP

CM162-1000HP



CHAMOT

乔默®生物

*Specialize In Cytokines*

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## 重组人趋化因子CXCL4 /Recombinant CXCL4, Human, Animal-Free

产品编号	CM162-5HP	CM162-20HP	CM162-100HP	CM162-500HP	CM162-1000HP
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 4 (CXCL4) also named platelet factor 4 (PF4), which is a chemokine of the intercrine alpha family. CXCL4 is a 8kDa protein containing 70 amino acid residues. CXCL4 is produced by the activated platelets which plays an important role in immune responses. CXCL4 inhibit the cell proliferation, platelet aggregation and wound repair. CXCL4 also suppresses the hematopoiesis.

#### 别称

C-X-C motif chemokine 4, Platelet Factor-4, PF-4, Oncostatin A, Ironplact

#### 蛋白编码

P02776

#### 分子量

The protein has a calculated MW of 8.58 kDa. The protein migrates as 14 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. Chemotactic activity was observed at a concentration of 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

EAEEDGDLQCLCVKTTSQVRPRHITSLEVIKAGPHCPTAQLIATLKNRGIKCLDLQAPLYKKIIKKL LES 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

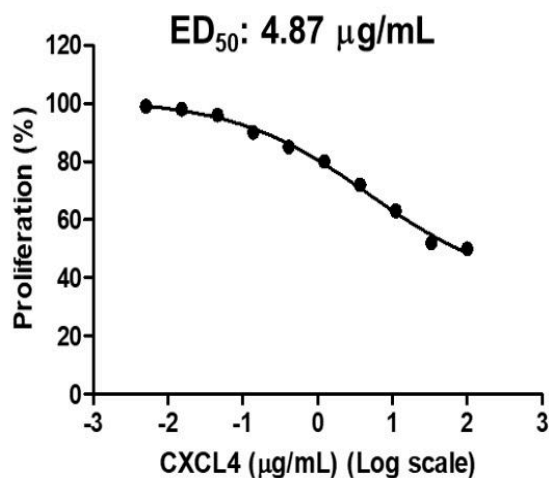
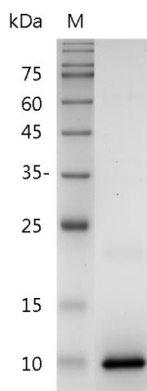
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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 CXCL4

Human CXCL4, His Tag, E. coli inhibited human FGF-2-induced

HUVEC cell proliferation, with the ED<sub>50</sub> at 4.87 µg/mL.

For Research Use or Further Manufacturing Only

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