

# CHAMOT

**重组人骨形态发生蛋白-15 /Recombinant BMP-15,  
Human, Animal-Free**

**CM077-5HP**

**CM077-20HP**

**CM077-100HP**

**CM077-500HP**

**CM077-1000HP**



**CHAMOT**

乔默®生物

*Specialize In Cytokines*



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## 重组人骨形态发生蛋白-15 /Recombinant BMP-15, Human, Animal-Free

产品编号	CM077-5HP	CM077-20HP	CM077-100HP	CM077-500HP	CM077-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Bone Morphogenetic Protein-15 (BMP-15) is an extracellular multifunctional signaling cytokine that is also a member of the TGFβ family. In the ovarian follicles, BMP-15 has a vital role in regulating the growth and maturation of follicles, the sensitivity of granulosa cells to FSH, and preventing granulosa cells from apoptosis. In addition, BMP-15 and GDF9 cooperate and have the same interaction on target cells.

#### 别称

bone morphogenetic protein 15, Growth/Differentiation Factor-9B, GDF-9B, ODG2, POF4, BMP15

#### 蛋白编码

O95972

#### 分子量

The protein has a calculated MW of 14.88 kDa. The protein migrates as 13-18 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 induce alkaline phosphatase production by ATDC5 cells. The ED<sub>50</sub> for this effect is <17 ng/mL.

#### 内毒素检测

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

#### 蛋白序列

MQADGISA EVTASSSKHSGPENNQCSLHPFQISFRQLGWDHWIIAPPFYTPNYCKGTCLRVLR  
DGLNSPNHAI IQNLINQLVDQSVPRPSCVPYKYVPISVLMIEANGSILYKEYEGMIAESCTCR  
with polyhistidinetag at the C- terminus

#### 产品形式

The protein was lyophilized from a 0.2 µm filtered solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 4.5. 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

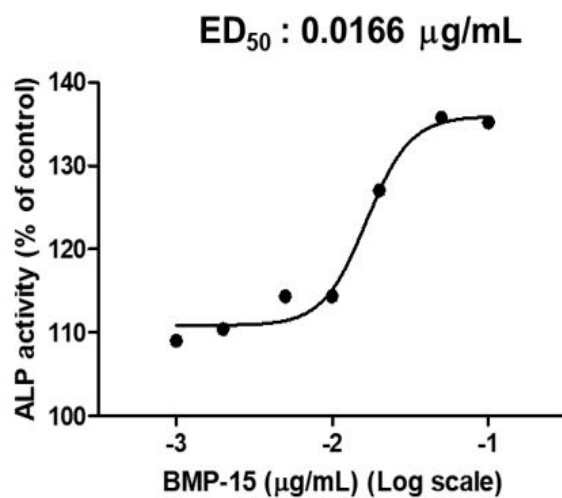
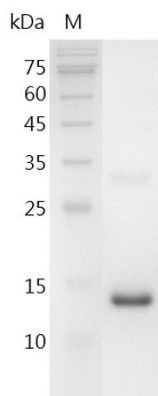
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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 BMP-

15

Human BMP-15, His Tag, E. coli induced alkaline phosphatase

production by ATDC5 cells, with the ED<sub>50</sub> at 16.6 ng/mL.

For Research Use or Further Manufacturing Only

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