

# CHAMOT

**重组小鼠激活素B /Recombinant Activin B, Mouse,  
Animal-Free**

CM064-5MP

CM064-20MP

CM064-100MP

CM064-500MP

CM064-1000MP



CHAMOT

乔默®生物

*Specialize In Cytokines*

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## 重组小鼠激活素B /Recombinant Activin B, Mouse, Animal-Free

产品编号	CM064-5MP	CM064-20MP	CM064-100MP	CM064-500MP	CM064-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Activin B is the cytokine of the TGF beta family, which is a 12.9 kDa protein containing 116 amino acid residues. Activin B has the wide variety of biological function including stem cell differentiation, inflammation, bone remodeling and neural development. It also has a role in regulation of FSH secretion. Activin B induces the phosphorylation of Smad which binds the smad binding element.

#### 别称

Activin Beta B; Activin beta-B chain; INHBB; inhibin beta B

#### 蛋白编码

Q04999

#### 分子量

The protein has a calculated MW of 13.71 kDa. The protein migrates about 17 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 induce hemoglobin expression in K562 cells. The ED<sub>50</sub> for this effect is <1 ng/mL.

#### 内毒素检测

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

#### 蛋白序列

MGLECDGRTSLCCRQQFFIDFRLIGWNDWIIAPTGGYGYNYCEGSCPAYLAGVPGSASSFHTAV  
VNQYRMRGLNPGPVNSCCIPTKLSSMSMLYFDDEYNIVKRDVPNMIVEECGCA with  
polyhistidine tag at the C-terminus.

#### 产品形式

The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 8.0. 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

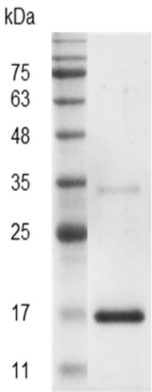
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



For Research Use or Further Manufacturing Only

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