

# CHAMOT

**重组人激活素B /Recombinant Activin B, Human,  
Animal-Free**

CM119-5HP

CM119-20HP

CM119-100HP

CM119-500HP

CM119-1000HP



CHAMOT

乔默®生物

*Specialize In Cytokines*

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## 重组人激活素B /Recombinant Activin B, Human, Animal-Free

产品编号	CM119-5HP	CM119-20HP	CM119-100HP	CM119-500HP	CM119-1000HP
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 13 kDa protein containing 115 amino acid residues. Activin B has the wide variety of biological function including stem cell differentiation, inflammation, bone remodeling and neural development. They also have 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, INHBB; inhibin beta B chain

**蛋白编码** P09529

**分子量** The protein has a calculated MW of 13.75 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 induce hemoglobin expression in K562 cells. The ED<sub>50</sub> for this effect is <0.7 ng/mL. The specific activity of recombinant human Activin B is > 1.5 x 10<sup>6</sup> IU/mg.

**内毒素检测** <0.1 EU per 1 µg of the protein by the LAL method.

**蛋白序列** MGLECDGRTNLCCRQQFFIDFRLIGWNDWIIAPTGYYGNYCEGSCPAYLAGVPGSASSFHTAVVNQYRMRGLNPGTVNSCCIPTKLSTMSMLYFDDEYNIVKRDVPMIVEECGCA 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.

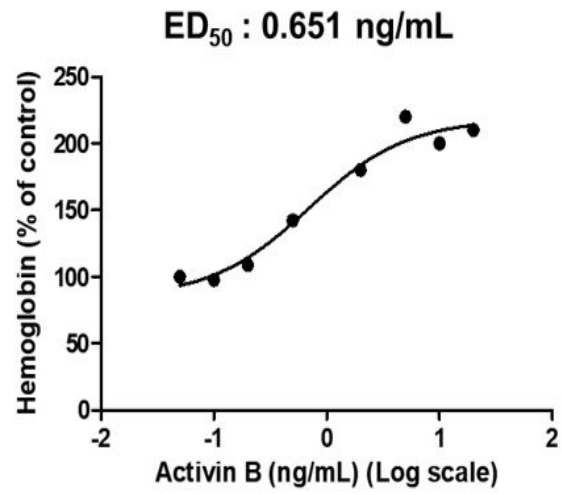
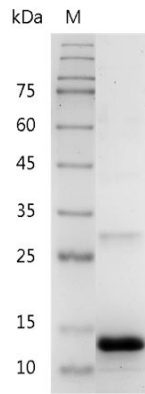
3. Extended Storage

- 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

储存	<b>Lyophilized Protein:</b> Store at -20°C for 1 year.
	<b>Initial Reconstitution:</b> Store at 2°C to 8°C for up to 1 week.
	<b>Extended Storage:</b> 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 Activin B. Human Activin B, His Tag, E. coli induced hemoglobin expression in K562 cells, with the ED<sub>50</sub> at 0.651 ng/mL.

For Research Use or Further Manufacturing Only

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