

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 ₅₀ for this effect is <0.7 ng/mL. The specific activity of recombinant human Activin B is > 1.5 x 10 ⁶ IU/mg.
内毒素检测	<0.1 EU per 1 µg of the protein by the LAL method.
蛋白序列	MGLECDGRTNLCCRQQFFIDFRLIGWNDWIIAPTGYYGNYCEGSCPAYLAGVPGSASSFHTAV VNQYRMRLNPGTVNSCCIPTKLSTMSMLYFDDEYNIVKRDVPMIVEECGCA 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 H₂O 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

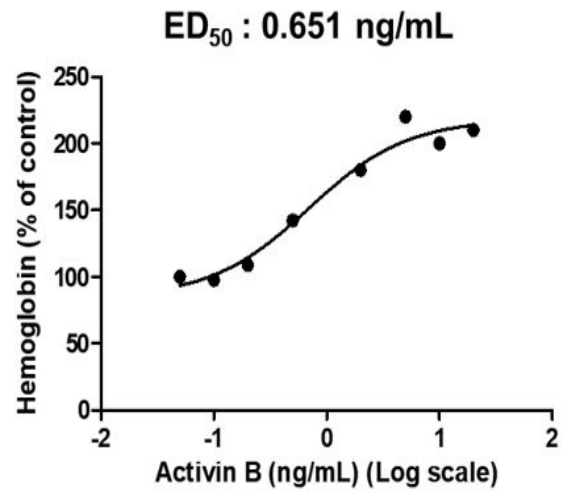
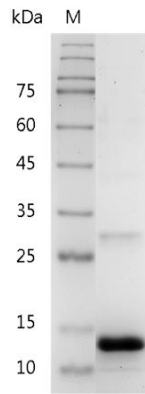
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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 Activin B. Human Activin B, His Tag, E. coli induced hemoglobin expression in K562 cells, with the ED₅₀ at 0.651 ng/mL.

For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. www.chamot-bio.com

Tel: 021-51880030 Mail: info@chamot-bio.com QQ: 864920491