

CHAMOT

**重组人/小鼠/大鼠激活素A /Recombinant Activin A,
Human/Mouse/Rat, Animal-Free**

CM118-5HP

CM118-20HP

CM118-100HP

CM118-500HP

CM118-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人/小鼠/大鼠激活素A /Recombinant Activin A, Human/Mouse/Rat, Animal-Free

产品编号	CM118-5HP	CM118-20HP	CM118-100HP	CM118-500HP	CM118-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Activin is the member of the TGF beta superfamily of cytokines. The current understanding of Activin A is classified as a hormone, a Growth Factors, and a cytokine. Depending on the different cell type, that overexpression of Activin A can either inhibit or promote cells division. There are important implications for tumor biology. Activin A also increase joint inflammation in rheumatoid arthritis (RA) and induces pathogenic mechanisms in the respiratory system.

别称

Inhibin beta A chain, Activin beta-A chain, Erythroid differentiation protein

蛋白编码

P08476(Human), Q04998 (Mouse), P18331(Rat)

分子量

The protein has a calculated MW of 13.1 kDa. The protein migrates as 15 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 inhibit the proliferation of mouse MPC-11 cells. The ED₅₀ for this effect is <10 ng/mL. The specific activity of recombinant human Activin A is approximately >1.0 x 10³ IU/mg.

内毒素检测

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

蛋白序列

GLECDGKVNICCKKQFFVSKDIGWNDWIIAPSGYHANYCEGECPSHIAGTSGSSLSFHSTVIN
HYMRGHSFPANLKSCCVPTKLRPMSMLYDDGQNIKKDIQNMIVEECGCS

产品形式

The protein was lyophilized from a 0.2 µm filtered solution containing 50 mM Tris, 500 mM NaCl, pH 8.5. 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 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



For Research Use or Further Manufacturing Only

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