

CHAMOT

**重组人骨形态发生蛋白-8a /Recombinant BMP-8a,
Human, Animal-Free**

CM069-5HP

CM069-20HP

CM069-100HP

CM069-500HP

CM069-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



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产品编号	CM069-5HP	CM069-20HP	CM069-100HP	CM069-500HP	CM069-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述	Bone Morphogenetic Protein-8 (BMP-8) is an extracellular multifunctional cytokine that is also a member of the TGF- β family. BMP-8 can bind with TGF- β receptor and is involved in SMAD protein signal transduction. In addition, BMP-8 participates in the downregulation of insulin secretion that lets the heat stabilize. Moreover, it participates in ossification and is essential to cartilage and hard bone development.
别称	bone morphogenetic protein 8a, BMP-8, OP-2, Osteogenic Protein-2, BMP8
蛋白编码	Q7Z5Y6
分子量	The protein has a calculated MW of 16.61 kDa. The protein migrates as 17 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 ₅₀ for this effect is 10-19.4 ng/mL.
内毒素检测	<0.1 EU per 1 µg of the protein by the LAL method.
蛋白序列	MAVRPLRRRQPKKSNELPQANRLPGIFDDVHGSHGRQVCRRHELYVSFQDLGWLDWVIAPQGYSAYYCEGECFPLDSCMNATNHAILQSLVHLMKPNAPKACCAPTKLSATSVLYYDSSNNVILRKHRNMVVKACGCH with polyhistidine tag 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 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

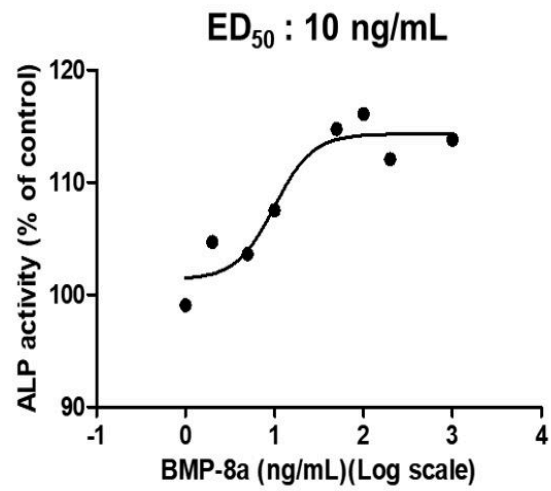
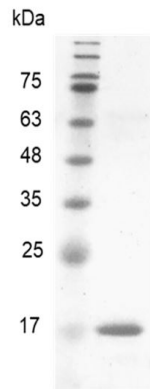
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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 BMP-

8a

Human BMP-8a, His Tag, E. coli induced alkaline phosphatase

production by ATDC5 cells, with the ED_{50} at 10 ng/mL.

For Research Use or Further Manufacturing Only

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