

CHAMOT

重组人骨形态发生蛋白-10 /Recombinant BMP-10,
Human, Animal-Free

CM072-5HP



CM072-20HP



CM072-100HP



CM072-500HP



CM072-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

CONTENT

1

产品简介

2

产品使用

3

产品储存/运输

4

实验数据展示

重组人骨形态发生蛋白-10 /Recombinant BMP-10, Human, Animal-Free

| | | | | | |
|------|-----------|------------|-------------|-------------|--------------|
| 产品编号 | CM072-5HP | CM072-20HP | CM072-100HP | CM072-500HP | CM072-1000HP |
| 规格 | 5 µg | 20 µg | 100 µg | 500 µg | 1 mg |

产品简介

| | |
|--------------|---|
| 背景描述 | Bone Morphogenetic Protein-10 (BMP-10) is an extracellular multifunctional signaling cytokine that is also a member of the TGF β family. BMP-10 can bind with TGF β receptor and is involved in SMAD protein signal transduction. The functions related to bone generation can induce bone and cartilage formation. Different from other family members, BMP-10 is a novel protein involved in the heart's trabeculation. |
| 别称 | bone morphogenetic protein 10, BMP10 |
| 蛋白编码 | O95393 |
| 分子量 | The protein has a calculated MW of 13.10 kDa. The protein migrates as 16 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 1.7-2.1 ng/mL. |
| 内毒素检测 | <0.1 EU per 1 µg of the protein by the LAL method. |
| 蛋白序列 | MNAKGNYCKRTPLYIDFKEIGWDSIIAPPGYEAYECRGVCNYPLAEHLPTKHAIIQALVHLK NSQKASKACCVPTKLEPISILYLDKGVVTYKFKYEGMAVSECGCR 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 3.5. 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 ($\geq 20 \mu\text{l}$).
- 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

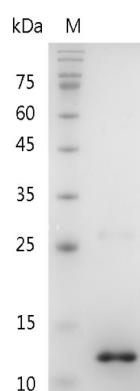
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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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