

CHAMOT

重组人成纤维细胞生长因子-10 /Recombinant FGF-10, Human, Animal-Free

CM099-5HP

CM099-20HP

CM099-100HP

CM099-500HP

CM099-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人成纤维细胞生长因子-10 /Recombinant FGF-10, Human, Animal-Free

产品编号	CM099-5HP	CM099-20HP	CM099-100HP	CM099-500HP	CM099-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Fibroblast Growth Factors-10 (FGF-10) is a 23.4 kDa member of the fibroblast Growth Factors with 208 amino acid residues. FGF-10 is mainly secreted from endometrial stromal cells, fibroblasts, peritubular cells, leydig cells, muller glia cells. FGF-10 a multifunctional mesenchymal-epithelial signaling Growth Factors, can regulate embryonic development, cell proliferation and cell differentiation. It has been associated with cancer and human genetic disorders.

别称

fibroblast growth factor 10, FGFA, Keratinocyte Growth Factor-2, FGF10

蛋白编码

O15520

分子量

The protein has a calculated MW of 20.06 kDa. The protein migrates as 19 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 3T3 cells proliferation. The ED₅₀ for this effect is <8 ng/mL. The specific activity of recombinant human FGF-10 is > 1.2 x 10⁵ IU/mg.

内毒素检测

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

蛋白序列

MLGQDMVSPEATNSSSSSFSSPSSAGRHVRSYNHLQGDVRWRKLFSTKYFLKIEKNGKVS
GT KKENCYPYSILEITSVEIGVVAVKAINSNYLLAMNKKGKLYGSKEFNNDCKLKERIE
NGYNTYAS FNWQHNGRQMYVALNGKGAPRRGQKTRRKNTSAHFLPMVVHS 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 7.4. 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

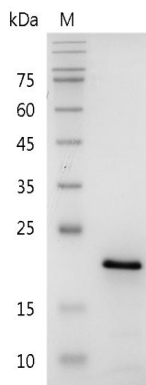
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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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