

CHAMOT

重组小鼠成纤维细胞生长因子-21 /Recombinant FGF-21, Mouse, Animal-Free

CM097-5MP

CM097-20MP

CM097-100MP

CM097-500MP

CM097-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组小鼠成纤维细胞生长因子-21 /Recombinant FGF-21, Mouse, Animal-Free

产品编号	CM097-5MP	CM097-20MP	CM097-100MP	CM097-500MP	CM097-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Fibroblast Growth Factors 21 (FGF-21) is a 23 kDa protein with 210 amino acid residues. Belongs to FGF superfamily, FGF-21 is related to glucose and lipid metabolism. Peroxisome proliferator-activated receptor gamma (PPAR γ) and peroxisome proliferator-activated receptor alpha (PPAR α) regulate FGF-21 expression.

别称

fibroblast growth factor 21, Fgf8c

蛋白编码

Q9JJN1

分子量

The protein has a calculated MW of 20.76 kDa. The protein migrates as 25-35 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 proliferation in NIH-3T3 mouse embryonic fibroblast cells in the presence of mouse Klotho beta and heparin. The ED₅₀ for this effect is < 2 µg/mL.

内毒素检测

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

蛋白序列

AYPIPDSSPLLQFGGQVRQRYLYTDDDQDTEAHLEIREDDGTVVGAHAHRSPESLLELKALKPGVI
QILGVKASRFLCQQPDGALYGSPHFDPEACSFRELLEDGYNVYQSEAHGLPLRLPQKDSPNQ
DATSWGPVRFLPMPGLLHEPQDQAGFLPPEPPDVGSSDPLSMVEPLQGRSPSYAS with
polyhistidine tag at the N-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

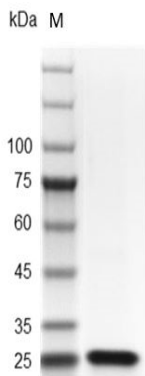
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



For Research Use or Further Manufacturing Only

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