

CHAMOT

重组人成纤维细胞生长因子-21 /Recombinant FGF-21, Human, Animal-Free

CM110-5HP

CM110-20HP

CM110-100HP

CM110-500HP

CM110-1000HP



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

5 文献引用

重组人成纤维细胞生长因子-21 /Recombinant FGF-21, Human, Animal-Free

产品编号	CM110-5HP	CM110-20HP	CM110-100HP	CM110-500HP	CM110-1000HP
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 22.3 kDa member of the fibroblast Growth Factors with 209 amino acid residues. FGF-21 is expressed from liver and cardiomyocytes. FGF-21 is a key protein that regulates important metabolic pathways, and modulates cellular function, metabolism, and senescence. It can stimulate glucose uptake in differentiated adipocytes via the induction of glucose transporter SLC2A1 /GLUT1 expression.

别称

fibroblast growth factor 21, FGFL, FGF21

蛋白编码

Q9NSA1

分子量

The protein has a calculated MW of 20.35 kDa. The protein migrates as 25 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 BaF3 cells transfected with human FGFR11c. The ED₅₀ for this effect is <0.4 µg/mL.

内毒素检测

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

蛋白序列

MHPIPDSSPLLQFGGQVRQRYLYTDDAQQTAEHLEIREDTVGGAADQSPESLLQLKALKPGV
IQILGVKTSRFLCQRPDGLYGLHFDPEACSFRELLLEDGYNVYQSEAHGLPLHLPGNKSPHR
DPAPRGPARFLPLPGLPPALPEPPGILAPQPPDVGSSDPLSMVGPSQGRSPSYAS 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 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

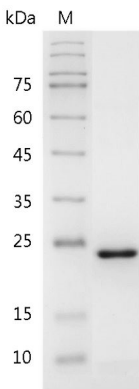
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



文献引用

- Fibroblast growth factor 21 (FGF21) attenuates tacrolimus-induced hepatic lipid accumulation through transcription factor EB (TFEB)-regulated lipophagy. J Zhejiang Univ Sci B. 2023 Jun 15; 24(6): 485–495. (IF 5.1) (Human FGF-21)

For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. www.chamot-bio.com

Tel: 021-51880030 Mail: info@chamot-bio.com QQ: 864920491