

# 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*



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## 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 ED<sub>50</sub> 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

MHPIPDSSPLLQFGGQVRQRYLYTDDAQTEAHLEIREDDGTGGAADQSPESLLQLKALKPGV  
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 H<sub>2</sub>O 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

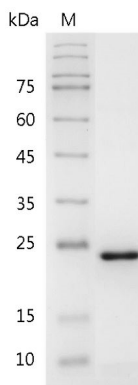
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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

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