

# 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

# CONTENTS

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 $\gamma$ ) and peroxisome proliferator-activated receptor alpha (PPAR $\alpha$ ) 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 ED <sub>50</sub> 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	AYPIPDSPLLQFGGQVRQRYLYTDDDQDTEAHLEIREDGTVGAAHRSPESLLELKALKPGVIQILGVVKASRFLCQQPDGALYGSPHFDPEACSFRELLLEDGYNVYQSEAHGLPLRPQKDSPNQDATSWGPRFLPMPGLLHEPQDQAGFLPPEPPDVGSSDPLSMVEPLQGRSPSYAS 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 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 ( $\geq 20 \mu\text{l}$ ).
- 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

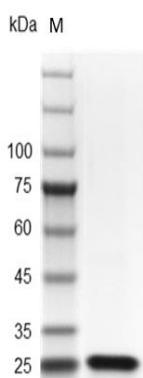
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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

Chamot Biotechnology(Shanghai) Co., Ltd. [www.chamot-bio.com](http://www.chamot-bio.com)

Tel: 021-51880030 Mail: [info@chamot-bio.com](mailto:info@chamot-bio.com) QQ: 864920491