

# CHAMOT

**重组人纤连蛋白 /Recombinant Fibronectin,  
Human, Animal-Free**

CM198-20HP

CM198-100HP

CM198-500HP

CM198-1000HP



CHAMOT

乔默®生物

*Specialize In Cytokines*



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重组人纤连蛋白 /Recombinant Fibronectin, Human, Animal-Free

|      |            |             |             |              |
|------|------------|-------------|-------------|--------------|
| 产品编号 | CM198-20HP | CM198-100HP | CM198-500HP | CM198-1000HP |
| 规格   | 20 µg      | 100 µg      | 500 µg      | 1 mg         |

产品简介

|       |                                                                                                                                                                                                                                                                                                         |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 背景描述  | Fibronectin is a high-molecular-weight extracellular matrix glycoprotein involved in various cellular processes including adhesion, migration, growth, and differentiation. It plays crucial roles in wound healing, tissue repair, angiogenesis, and is implicated in cancer progression and fibrosis. |
| 别称    | FN, FN1, CIG, FINC, FNZ, MSF, GFND, GFND2, LETS                                                                                                                                                                                                                                                         |
| 蛋白编码  | P02751-15                                                                                                                                                                                                                                                                                               |
| 分子量   | The protein has a calculated MW of 64 kDa. The protein migrates as 60-65 kDa under reducing condition (SDS-PAGE analysis).                                                                                                                                                                              |
| 表达系统  | Escherichia coli                                                                                                                                                                                                                                                                                        |
| 纯度    | >95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                         |
| 生物活性  | Measured by the ability of the immobilized protein to support the adhesion of B16-F1 mouse melanoma cells. The ED <sub>50</sub> for this effect is <100 ng/mL.                                                                                                                                          |
| 内毒素检测 | <0.1 EU per 1 µg of the protein by the LAL method.                                                                                                                                                                                                                                                      |
| 蛋白序列  | A DNA sequence encoding Human Fibronectin Protein(#P02751-15) (Pro1361-Ser1637 & Ala1812-Thr2107) was expressed with polyhistidine tag at the C-terminus.                                                                                                                                               |
| 支原体   | Not detected                                                                                                                                                                                                                                                                                            |
| 产品形式  | The protein was lyophilized from a 0.2 µm filtered solution containing 50 mM Tris, 150 mM NaCl, 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

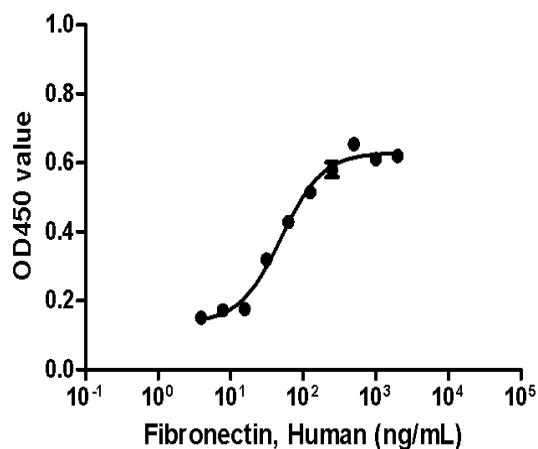
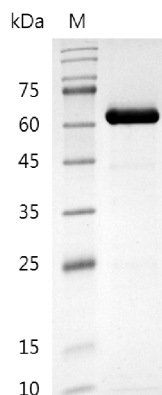
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



|                                        |                                                                            |
|----------------------------------------|----------------------------------------------------------------------------|
|                                        | Activity analysis of recombinant Human Fibronectin, His Tag, E.            |
| SDS-PAGE analysis of recombinant human | coli. Measured by the ability of the immobilized protein to support        |
| Fibronectin                            | the adhesion of B16-F1 mouse melanoma cells. The ED <sub>50</sub> for this |
|                                        | effect is <100 ng/mL.                                                      |

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