

# CHAMOT

## Recombinant Human FGF-2

CM091-20HP  
CM091-100HP  
CM091-500HP  
CM091-1000HP



CHAMOT

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# CONTENT

**1** 产品简介

**2** 产品组成

**3** 产品储存

**4** 产品使用

## Recombinant Human FGF-2 (Fibroblast growth factor-basic), Tag free

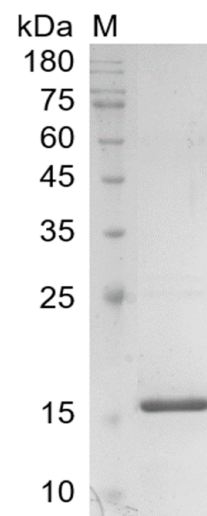
编号:	CM091-20HP CM091-100HP CM091-500HP CM091-1000HP	规格:	20 µg 100 µg 500 µg 1 mg
类别:	重组蛋白	应用:	Functional Assay

### 产品简介

**描述:** Basic fibroblast Growth Factors (FGF-2, bFGF, FGF- ), a 18 kDa pleiotropic cytokine, plays multiple roles in different cells and tissues. FGF-2 can stimulate smooth muscle cell growth, wound healing, and tissue repair. In addition, FGF-2 has been shown to regulate the generation of neurons and astrocytes from progenitor cells. FGF-2 are also involved in a variety of biological processes, including embryonic development, morphogenesis, tissue repair, tumor growth, and invasion. As a multifunctional cytokine, FGF-2 is first isolated from the pituitary. Later, it was identified from various cell types including cardiac myocytes, cardiac fibroblasts, endothelial cells, and smooth muscle cells.

**来源:** *Escherichiacoli*  
**纯度:** >98% as determined by SDS-PAGE. Ni-NTA chromatography.

**生物学活性:** Measure by its ability to induce 3T3 cells proliferation. The  $ED_{50}$  for this effect is < 1 ng/mL. The specific activity of recombinant human FGF-2 is approximately  $>5 \times 10^5$  IU/mg.



SDS-PAGE analysis of recombinant human FGF-2, Tag free

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 FGF-2 Protein(#P09038) (Ala144-Ser288) was expressed.

## 产品组成

成分: 从含有 20 mM Tris, 1 M NaCl, pH 7.4 溶液中冻干的蛋白质.

## 产品储存/运输

产品形式	储存温度	储存时间
冻干粉	-20°C至-80°C	自收到之日起1年
重悬液 (初始)	2°C至8°C	不超过1周
重悬液 (经稀释)	-20°C至-80°C	3到6个月

运输方式: 蓝冰

## 产品使用

- 1、开盖前，建议3000-3500rpm离心5min。
- 2、推荐使用无菌水重悬冻干粉，溶液浓度不低于100µg/mL，不高于1mg/mL，并室温静置至少20min以充分溶解。勿涡旋剧烈振荡。
- 3、重悬后的溶液，2-8°C无菌保存不超过1周。
- 4、如需长期保存，推荐使用无菌的含载体蛋白（如0.1%BSA、10%FBS 或5%HSA）的溶液进一步稀释(不低于10ug/mL) 后分装保存，-20°C至-80°C可无菌保存3到6个月。无血清实验需求时，可更换为 5%海藻糖溶液作为载体。避免反复冻融。

WB=Western Blot; IP=Immunoprecipitation; IF=Immunofluorescence; IHC=Immunohistochemistry;  
 FACS=Fluorescence activated Cell Sorting; FA=Functional Assay