

# CHAMOT

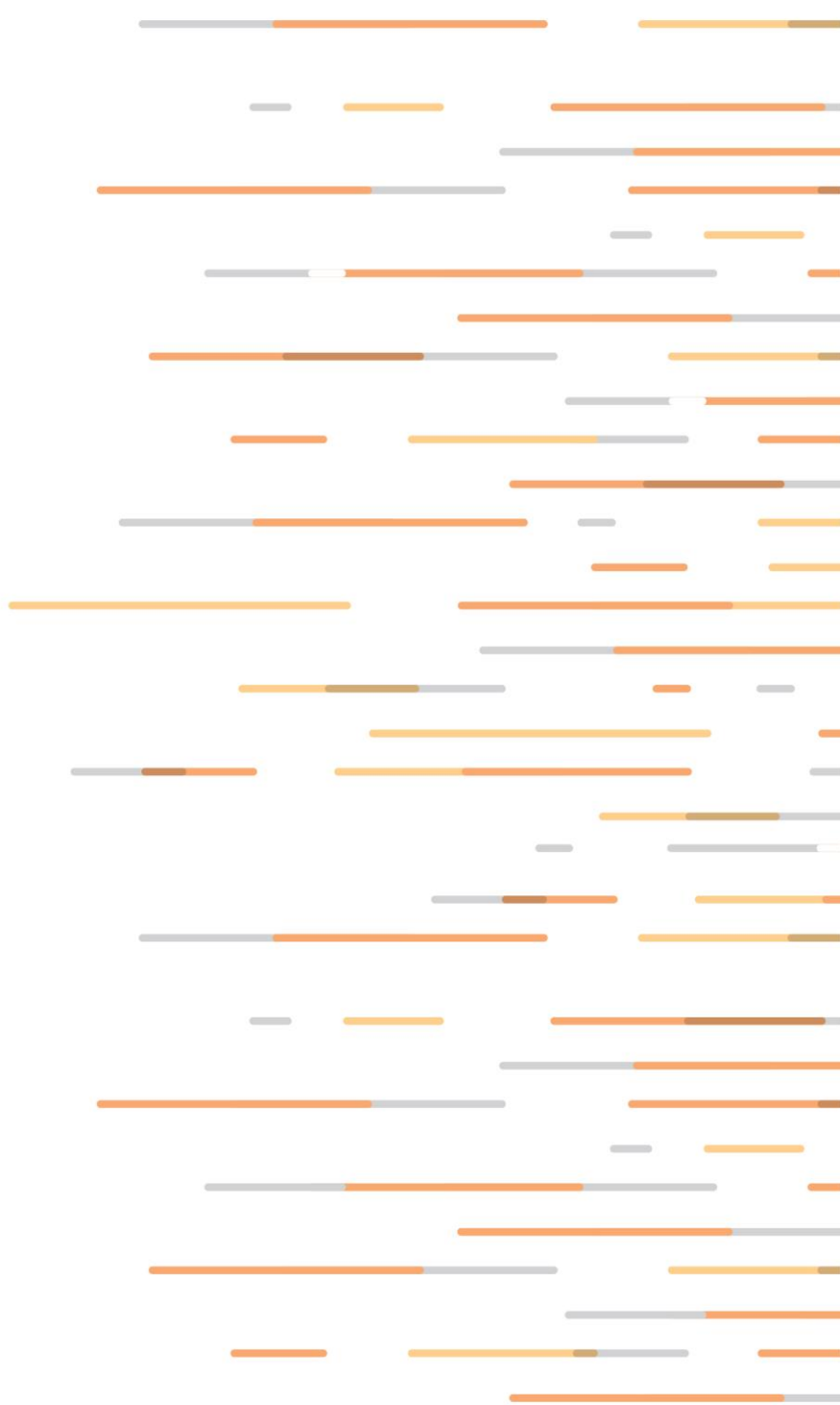
**Recombinant FGF-2(154 a.a.), Human, GMP**

CM091-100HPG  
CM091-1000HPG



**CHAMOT**

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## Recombinant FGF-2 (154 a.a.) (Fibroblast growth factor, basic) , Human, GMP

编号: CM091-100HPG  
 CM091-1000HPG

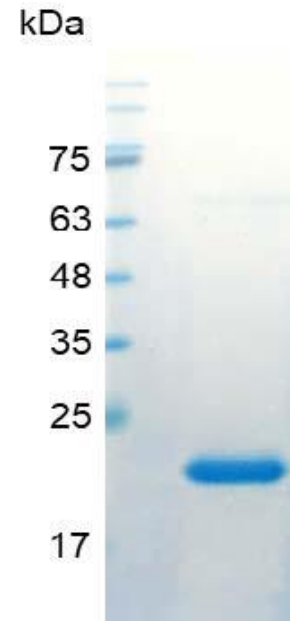
规格: 100 µg  
 1 mg

类别: 重组蛋白

应用: Functional Assay

### 产品简介

描述: FGF-2, also known as a basic fibroblast growth factor (bFGF) and FGF-β, is a growth factor and signaling protein encoded by the FGF-2 gene. FGF-2 has been shown in preliminary animal studies to protect the heart from injury associated with a heart attack, reducing tissue death and promoting improved function after reperfusion. FGF-2 are also involved in a variety of biological processes, including embryonic development, morphogenesis, tissue repair, tumor growth, and invasion. Additionally, FGF-2 is frequently used for a critical component of cell culture medium, e.g., human embryonic stem cell culture medium, serum-free culture systems.



SDS-PAGE analysis of recombinant FGF-2(154 a.a.) , Human, GMP

来源: *Escherichia coli*.  
 Animal-free reagent and laboratory.  
 Manufactured and tested under GMP guideline.

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<sub>50</sub> for this effect is <1ng/mL. The specific activity of recombinant human FGF-2 is approximately >5 x 10<sup>5</sup> IU/mg.

内毒素检测: <0.01 EU per 1 µg of the protein by the LAL method.

蛋白序列: AAGSITTLPALPEDGGSGAFPPGHFKDPKRLYC  
KNGGFFLRHPDGRVDGVREKSDPHIKLQLQA  
EERGVVSIKGVCANRYLAMKEDGRLLASKCVT  
DECFFFERLESNNYNTYRSRKYTSWYVALKRTG  
QYKLGSKTGPQKAILFLPMSAKS with  
polyhistidine tag at the N-terminus.

## 产品组成

成分: 从含有 1X PBS, pH 8.0 溶液中冻干的蛋白质,  
无任何动物源性成分.

## 产品储存

储存: -20°C冻干粉保存 1 年.  
运输: 蓝冰.

## 产品使用

- 1、推荐使用无菌水重悬冻干粉, 溶液浓度不低于 100 µg/mL, 并静置至少 20min 以充分溶解.
- 2、重悬后的溶液可进一步稀释分装, 置于 2-8°C有效期 1-2 周, -20°C至-80°C有效期 1 个月; 避免反复冻融.

## 产品规范

CHAMOT GMP recombinant proteins are manufactured in ISO 13485:2016 and GMP certified facility. The processes include:

- ★Testing and traceability of raw material
- ★Records of the maintenance and equipment calibration
- ★Personnel training records
- ★Batch-to-batch consistency
- ★Documentation of QA control and process changes
- ★Manufactured and tested under an ISO 13485:2016 certified quality management system
- ★Stability monitor of product shelf-life

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

**CHAMOT Biotechnology (Shanghai) Co., Ltd.**

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