

CHAMOT

Recombinant Mouse FGF-2

CM058-20MP

CM058-100MP

CM058-500MP

CM058-1000MP



CHAMOT

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Recombinant Mouse FGF-2 (Fibroblast growth factor-basic)

编号:	CM058-20MP	规格:	20 µg
	CM058-100MP		100 µg
	CM058-500MP		500 µg
	CM058-1000MP		1 mg
类别:	重组蛋白	应用:	Functional Assay

产品简介

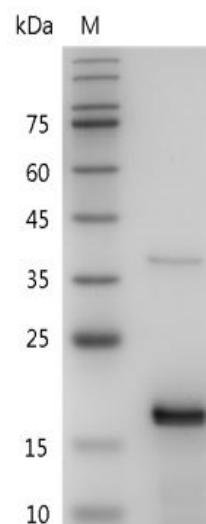
描述: FGF2, also known as a basic fibroblast growth factor (bFGF) and FGF-β, is a growth factor and signaling protein encoded by the FGF2 gene. FGF2 has been shown in preliminary animal studies to protect the heart from injury associated with a heart attack, reducing tissue death and promoting improved function after reperfusion. FGF-2 (bFGF) are also involved in a variety of biological processes, including embryonic development, morphogenesis, tissue repair, tumor growth, and invasion. Additionally, FGF-2 (bFGF) is frequently used for a critical component of cell culture medium, e. g., human embryonic stem cell culture medium, serum-free culture systems.

来源: *Escherichia coli*

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 ED₅₀ for this effect is < 1.5 ng/mL. The specific activity of recombinant mouse FGF-2 is approximately > 1×10⁶ IU/mg.

内毒素检测: < 0.1 EU per 1 µg of the protein by the LAL method.



SDS-PAGE analysis of recombinant mouse FGF-2

蛋白序列: ALPEDGGAAFPFGHFKDPKRLYCKN
 GGFFLRIHPDGRVDGVREKSDPHVKL
 QLQAEERGVSISIKGVCANRYLAMKE
 DGRLLASKCVTEECFFFERLESNNYNT
 YRSRKYSSWYVALKRTGQYKLGSKTG
 PGQKAILFLPMSAKS with polyhistid
 ine tag at the N-terminus

交叉反应种属: Rat (99.31%)

产品组成

成分: 从含有 1X PBS , containing 0.01%
 sarkosyl , pH 8.0 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℃至-80℃	自收到之日起1年
重悬液 (初始)	2℃至8℃	不超过1周
重悬液 (经稀释)	-20℃至-80℃	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℃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℃至 -80℃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