

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

编号: PY2161

规格: 20 µg
100 µg
500 µg
1 mg

类别: 重组蛋白

应用: Functional Assay

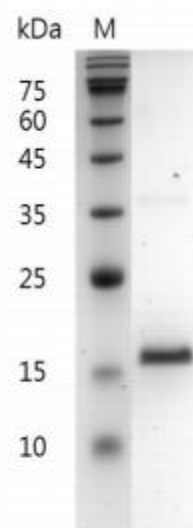
产品简介

描述: 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: *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 ED₅₀ for this effect is < 1 ng/mL. The specific activity of recombinant human FGF-2 is approximately >5 x 10⁵ IU/mg.



SDS-PAGE analysis of recombinant human FGF-2

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

蛋白序列: AAGSITTLPALPEDGGSGAFPPGHFKD
PKRLYCKNGGFFLRIHPDGRVDGVRE
KSDPHIKLQLQAEERGVSISIKGVCAN
RYLAMKEDGRLLASKCVTDECFFFERL
ESNNYNTYRSRKYTSWYVALKRTGQY
KLGSKTGPGQKAILFLPMSAKS with polyhistidine tag at the N-terminus

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

- 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℃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