CHAMOT

Recombinant Swine FGF-2

CM019-5SP
CM019-20SP

CONTENT

Recombinant Swine FGF-2 (Fibroblast growth factor-2)

编号：	CM019-5SP	规格：	5 μg
	CM019-20SP		20 μg

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- , 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.
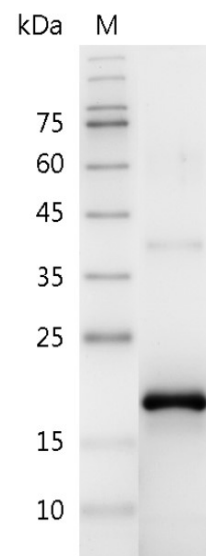

SDS-PAGE analysis of recombinant swine FGF-2

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 proliferation in 3T3 cells. The ED_{50} for this effect is < 2 ng/mL.

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

蛋白序列： AAGSITTLPALPEDGGSGAFPPGHFK DPKRLYCKNGGFFLRIHPDGRVDGVR EKSDPHIKLQLQAEERGVVSIKGVCAN RYLAMKEDGRLLASKCVTDECFFFERL ESNNYNTYRSRKYSSWYVALKRTGQ YKLGPKTGPGQKAILFLPMSAKS with polyhistidine tag at the N-terminus

产品组成

成分：　　　　从含有 1X PBS，containing 0.01% sarkosyl　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℃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、　　　　　3000-3500rpm　　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