

FGF-2/HBGF-2/Prostatropin, Mouse, Recombinant

货号: PCK011

产品信息

别名 HBGF-2, Prostatropin

物种 Mouse

表达宿主 E.coli

序列信息 ALPEDGGAAFPPGHFKDPKRLYCKNGGFFLRIHPDGRVDGVREKSDPHVK

LQLQAEERGVVSIKGVCANRYLAMKEDGRLLASKCVTEECFFFERLESNNY

NTYRSRKYSSWYVALKRTGQYKLGSKTGPGQKAILFLPMSAKS with

polyhistidine tag at the N-terminus.

检索号 P15655.1(Mouse), P13109.1(Rat)

分子量 17.2 kDa

标签 His-tag at the N-terminus

生物活性 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

x 10^6 IU/mg. procel

产品特性

纯度 >98% as determined by SDS-PAGE. Ni-NTA chromatography

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

保存 Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution,

> store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g.0.1% BSA,10%FBS,5%HSA or 5% trehalose solution),

protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.

运输 Ambient temperature or ice pack.

制剂 The protein was lyophilized from a 0.2 µm filtered solution containing 0.01%

sarkosyl in 1X PBS, pH 8.0.

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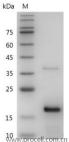
复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL.Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

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.

SDS-PAGE



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