

**FGF-2/bFGF/FGF-b, Mouse, Recombinant****Cat. No. : GPCK011****产品信息**

别名	HBGF-2;Prostatropin;Fibroblast Growth Factor 2;FGF-2;Basic Fibroblast Growth Factor; bFGF;Heparin-Binding Growth Factor 2;Fgf2;Fgf-2
物种	Mouse
表达宿主	E.coli
序列信息	ALPEDGGAAFPFGHFKDPKRLYCKNGGFFLRHPDGRVDGVREKSDPHVKLQLQAEERGVSISKGVCANRYLAMKEDGRLLASKCVTEECFFFERLESNNYNTYRSRKYSWYVALKRTGQYKLGSKTGPGQKAILFLPMSAKS with polyhistidine tag at the N-terminus.
检索号	P15655.1 (Mouse), P13109.1 (Rat)
标签	His-tag at the N-terminus
分子量	17.2 kDa
有效期	12 months
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 × 10 <sup>6</sup> IU/mg.

**产品特性**

内毒素 (EU/μg)	< 0.1
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 1 × PBS, pH 8.0.
复溶	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- $\beta$ , 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.

