

FGF-2/bFGF/FGF- β , Mouse, Recombinant**Cat. No. : PCK011****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	ALPEDGGA AFPPGHFKDPKRLYCKNGGFFLRHPDGRVDGVREKSDPHVKLQLQAEERGVSISKGVCANRYLAMKEDGRLLASKCVTEECFFFERLESNNYNTYRSRKYSSWYVALKRTGQYKLGSKTGPGQKAILFLPMSAKS 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 $> 1 \times 10^6$ IU/mg.

产品特性

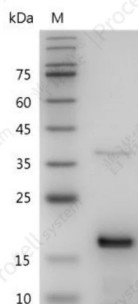
内毒素	< 0.1 EU per 1 μ g of the protein by the LAL method.
保存	Lyophilized protein should be stored at $-5 \sim -20^\circ\text{C}$ for 1 year. Upon reconstitution, store at $2 \sim 8^\circ\text{C}$ for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at $-5 \sim -20^\circ\text{C}$ or -80°C for 3-6 months.
运输	Ambient temperature or ice pack.
制剂	The protein was lyophilized from a $0.2 \mu\text{m}$ filtered solution containing 0.01% sarkosyl in $1 \times$ PBS, pH 8.0.
复溶	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 $\mu\text{g/mL}$. 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.



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