

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	ALPEDGGAAFPPGHFKDPKRLYCKNGGFFLRIHPDGRVDGVRKSDPHVK 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.

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.



复融

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.

SDS-PAGE

