

FGF-2/ bFGF/ FGF-b, Human, Recombinant

货号 : PCK009

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	Human
表达宿主	E.coli
序列信息	AAGSITTLPALPEDGGSGAFPPGHFKDPKRLYCKNGGFFLRIHPDGRVDGV REKSDPHIKLQLQAEERGVSISIKGVCANRYLAMKEDGRLLASKCVTDECFF FERLESNNYNTYRSRKYTSWYVALKRTGQYKLGSKTGPQGKAILFLPMSA KS with polyhistidine tag at the N-terminus.
检索号	P09038.3
分子量	18.1 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 ng/mL. The specific activity of recombinant human FGF-2 is approximately >5 x 10 ⁵ 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 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

