

产品名称: GMP Recombinant Human FGF-4
产品货号: PCH90010

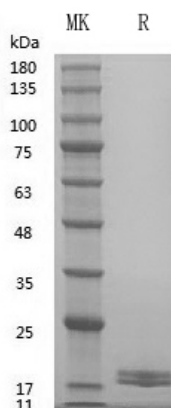


概述 (Summary)

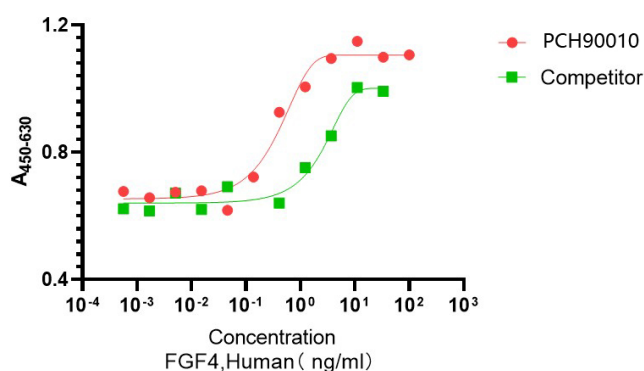
英文全称	FGF-4
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	≤10 EU/mg
蛋白构建 (Construction)	Recombinant Human FGF-4 is produced by our Mammalian cell expression system and the target gene encoding Ala31-Leu206 is expressed.
Accession #	P08620
蛋白标签 (Tag)	Tag free
表达宿主 (Host)	Mammalian cell
种属 (Species)	Human
预测分子量 (Predicted MW)	19.3 kDa
蛋白形态 (Form)	Lyophilized
储存缓冲液 (Buffer)	PBS, 5% mannitol and 0.01% Tween 80, pH7.4
运输方式 (Shipping)	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	36 months at -20°C to -80°C in lyophilized state. 6 months at -20°C to -80°C under sterile conditions after reconstitution. 7-10 days at 2°C to 8°C under sterile conditions after reconstitution. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

电泳图 (SDS-PAGE image)

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活性验证图 (Bioactivity image)



The ED50 for this effect is 0.25-1 ng/mL

背景 (Background)

分子别名 (Alternative Names)

Fibroblast growth factor 4; FGF-4; Heparin secretory-transforming protein 1; HST; HST-1; HSTF-1; Heparin-binding growth factor 4; HBGF-4; Transforming protein KS3; FGF4; HST; HSTF1; KS3

背景介绍 (References)

Fibroblast growth factor 4(FGF-4) is a heparin binding member of the FGF family. The human FGF4 cDNA encodes 206 amino acids (aa) with a 33 aa signal sequence and a 173 aa mature protein with an FGF homology domain that contains a heparin binding region near the C-terminus. Mature human FGF4 shares 91%, 82%, 94% and 91% aa identity with mouse, rat, canine and bovine FGF4, respectively. Human FGF-4 has been shown to exhibit cross species activity. Expression of FGF-4 and its receptors, FGF R1c, 2c, 3c and 4, is spatially and temporally regulated during embryonic development. FGF-4 is proposed to play a physiologically relevant role in human embryonic stem

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cell selfrenewal. It promotes stem cell proliferation, but may also aid differentiation depending on context and concentration, and is often included in embryonic stem cell media in vitro. FGF-4 is mitogenic for fibroblasts and endothelial cells in vitro and has autocrine transforming potential. It is a potent angiogenesis promoter in vivo and has been investigated as therapy for coronary artery disease.

注意事项 (Note)

For research use only .