

## FGF-2/bFGF/FGF-b (Q65I, C96S, N111G), Human, Recombinant

货号: PCK006

## 产品信息

别名 Fibroblast Growth Factor 2; FGF-2; Basic fibroblast Growth Factor; bFGF; Heparin-

binding Growth Factor 2; HBGF-2; FGF2; FGFB

物种 Human

表达宿主 E.coli

序列信息 Met1-Ser155

检索号 BAG70264.1

分子量 17.2 kDa

### 产品特性

纯度 >95% as determined by reducing SDS-PAGE.

<1.0 EU/µg as determined by LAL test. 内毒素

保存 Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt.

Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of

reconstituted samples are stable at -5~-20°C for 3 months.

运输 Ambient temperature or ice pack.

制剂 Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 5% sucrose, 0.02%

Tween 80, pH 8.0.

网站: www.procell.com.cn 电话: 400-999-2100

邮箱: techsupport@procell.com.cn

地址: 湖北省武汉市高新大道858号生物医药产业园三期C4栋







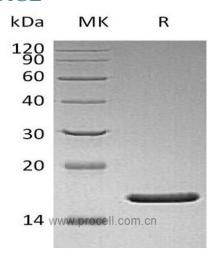
#### 复融

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml.Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

# 背景介绍

Fibroblast Growth Factors (FGF) are a family of heparin-binding secreted Proteins that stimulate cell proliferation and differentiation in a wide variety of tissues. FGFs play important roles in diverse biological functions both in vivo and in vitro, including mitogenesis, cellular migration, differentiation, angiogenesis, and wound healing. Human embryonic stem cell (hESC) cultures require FGF basic (also known as FGF-2 or bFGF) in cell culture media to remain in an undifferentiated and pluripotent state. Thermostable FGF basic was engineered for enhanced stability in culture media, without modification of its biological function. FGF basic is a required component of stem cell culture media for maintaining cells in an undifferentiated state. Because FGF basic is unstable, daily media changes are needed. The thermostable FGF basic that supports a 2-day media change schedule, so no media changes are required over a weekend. This thermostable FGF basic was more stable than FGF basic in biochemical studies, and maintained cell growth, pluripotency and 诺赛® | Pricella differentiation potential with a 2-day feeding schedule.

### SDS-PAGE



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邮箱: techsupport@procell.com.cn

地址: 湖北省武汉市高新大道858号生物医药产业园三期C4栋



