FGF－1／FGFa／FGF－acidic（Ala2－Asp155），Human，Recombinant

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货号:PCK003
产品信息
别名 Fibroblast Growth Factor 1; FGF-1; Acidic Fibroblast Growth Factor; aFGF;
        Endothelial Cell Growth Factor; ECGF Heparin-Binding Growth Factor 1;
        HBGF-1; FGF1; FGFA
物种 Human
表达宿主 E．coli
序列信息 Ala2-Asp155
检索号 P05230
分子量 17.3 kDa
产品特性
纯度 &gt;95% as determined by reducing SDS-PAGE.
内毒素 &lt;1.0 EU/\mug as determined by LAL test.
保存 Lyophilized protein should be stored at \(-5 \sim-20^{\circ} \mathrm{C}\) ，stable for one year after receipt． Reconstituted protein solution can be stored at \(2-8^{\circ} \mathrm{C}\) for \(2-7\) days．Aliquots of reconstituted samples are stable at \(-5 \sim-20^{\circ} \mathrm{C}\) for 3 months．
运输 Ambient temperature or ice pack．
制剂 Lyophilized from a \(0.2 \mu \mathrm{~m}\) filtered solution of PBS， pH 7.4 ．
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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 $100 \mu \mathrm{~g} / \mathrm{ml}$ ．Dissolve the lyophilized protein in distilled water．Please aliquot the reconstituted solution to minimize freeze－thaw cycles．

## 背景介绍

FGF acidic，also known as ECGF，FGF－1and HBGF－1，is a non－glycosylated heparin binding Growth Factor that is expressed in the brain，kidney，retina，smooth muscle cells，bone matrix，osteoblasts， astrocytes and endothelial cells．It is a mitogenic peptide that is produced by multiple cell types and stimulates the proliferation of cells of mesodermal，ectodermal，and endodermal origin．Its association with heparan sulfate is a prerequisite for activation of FGF Receptors．Internalized FGF acidic migrates to the nucleus where it is phosphorylated by nuclear PKC delta，exported to the cytosol，dephosphorylated，and degraded．Intracellular FGF acidic inhibits p53 activity and proapoptotic signaling．

## SDS－PAGE



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