

表皮生长因子 蛋白, Human (Epidermal Growth Factor, EGF)

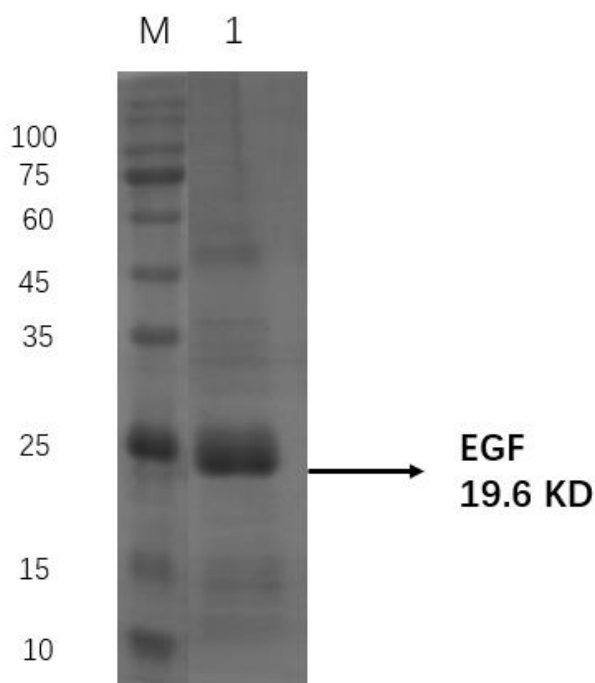
种属:	Human Cells
表达系统:	Prokaryotic expression system、Eukaryotic expression system
标签:	not have
同用名:	EGF; Pro-epidermal growth factor; Epidermal growth factor
分子量:	19.6 KDa
纯度:	Purity: ≥97% (SDS-PAGE)
储存条件:	-20℃
备注:	Avoid repeated freeze/thaw cycles
储存时间:	The product should be stored at -20℃ and will remain active for up to two years. After resuspension, it can be stored at 2 to -8 °C for one month, or at -70 to -20 °C for longer periods
运输:	The product is shipped at -20℃.



背景:

Epidermal Growth Factor (EGF) is a small mitogenic polypeptide (~6 kDa) which is present in many mammalian species and is distributed throughout a wide number of tissues and body fluids.¹ Human EGF is identical to b-urogastrone, a polypeptide which was recognized and isolated on the basis of its ability to inhibit gastric acid secretion.² EGF is a member of a growth factor family which is characterized by the presence of 6 conserved cysteine motifs that form three disulfide bonds. The location of 3 intrachain disulfide bonds in recombinant human EGF is identical to that of mouse EGF.³ EGF is structurally homologous to human transforming growth factor- α (TGF- α), and both exert their actions through EGF receptors.⁴ EGF is homologous to a sequence contained in a 19 kD protein of vaccinia virus,⁵ which appears to utilize the EGF receptor to gain entry into cells.⁶ EGF is mitogenic for a variety of epidermal and epithelial cells, including fibroblasts, glial cells, mammary epithelial cells, vascular and corneal endothelial cells, bovine granulosa, rabbit chondrocytes, HeLa cells, and SV40-3T3 cells. .

展示数据 :



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