产品名称：GMP Recombinant Human EGF
产品货号：PCH90003

概述（Summary）

英文全称	EGF
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 EGF is produced by our Mammalian cell expression system and the target gene encoding Asn971-Arg1023 is expressed.
Accession #	P01133
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）	6.2 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 with ice bag. 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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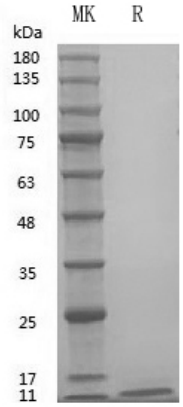
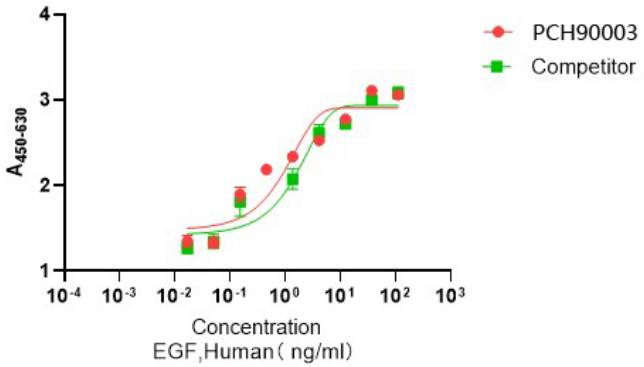


活性验证图（Bioactivity image）



Measured in a cell proliferation assay using NIH3T3 mouse embryonic fibroblast Cells. The ED50 for this effect ≤0.3 ng/mL.

背景（Background）

分子别名（Alternative Names） Pro-Epidermal Growth Factor; EGF; Epidermal Growth Factor; Urogastrone

背景介绍（References） Epidermal growth factor (EGF) is a small 53 amino acid residue long protein that contains three disulfide bridges. It is a small mitogenic protein that is thought to be involved in mechanisms such as normal cell growth, oncogenesis, and wound healing. EGF stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of some fibroblasts in cell culture. This protein shows both strong sequential and functional homology with human type-alpha transforming growth factor (hTGF alpha), which is a competitor for EGF receptor sites.

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注意事项（Note）

For research use only .