

## EGF/Urogastrone/URG, Human, Recombinant

货号：PCK001

### 产品信息

别名	Urogastrone, URG
物种	Human
表达宿主	E.coli
序列信息	MNSDSECPLSHDGYCLHDGVCMYEALDKYACNCVVG YIGERCQYRDLK WWELR with polyhistidine tag at the C-terminus
检索号	P01133.2
分子量	7.16 kDa
标签	His-tag at the C-terminus
生物活性	Measure by its ability to induce 3T3 cells proliferation. The ED50 for this effect is 0.05-0.12 ng/mL. The specific activity of recombinant human EGF is approximately $>1.4 \times 10^6$ IU/mg.

### 产品特性

纯度	$>95\%$ as determined by SDS-PAGE. Ni-NTA chromatography.
内毒素	$<0.1$ EU per 1 $\mu$ g of the protein by the LAL method.
保存	Lyophilized protein should be stored at $-5\sim-20^{\circ}\text{C}$ for 1 year. Upon reconstitution, store at $2-8^{\circ}\text{C}$ for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at $-5\sim-20^{\circ}\text{C}$ or $-80^{\circ}\text{C}$ for 3-6 months.
运输	Ambient temperature or ice pack.
制剂	The protein was lyophilized from a 0.2 $\mu$ m filtered solution containing 1X PBS, pH 8.0.



## 复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100  $\mu\text{g/mL}$ . Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

## 背景介绍

Epidermal growth factor (EGF) stimulates cell growth and differentiation by binding to its receptor, EGFR. Human EGF is a 6-kDa protein with 53 amino acid residues and three intramolecular disulfide bonds. EGF is present in various body fluids, including blood, milk, urine, saliva, seminal fluid, pancreatic juice, cerebrospinal fluid, and amniotic fluid. Biological activities ascribed to EGF include epithelial development, angiogenesis, inhibition of gastric acid secretion, fibroblast proliferation, and colony formation of epidermal cells in culture.

## SDS-PAGE

