

# rhEGF

## Recombinant Human Epidermal Growth Factor

Lyophilized powder



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### Introduction

Human epidermal growth factor (EGF) is a 6kD protein with 53 amino acid residues and three intramolecular disulfide bonds. By binding with high affinity to epidermal growth factor receptor (EGFR) on the cell surface, EGF results in a variety of biochemical changes within the cell: a rise in intracellular calcium levels, increased glycolysis and protein synthesis, and increases in the expression of certain genes including the gene for EGFR that ultimately lead to DNA synthesis and cell proliferation.

The rhEGF, purified by chromatography from Yeast, then lyophilized with Mannitol, has high stability and biological activity. The manufacture capability at hundreds of grams scales can meet your large bioprocessing needs.

### Specification

- **Source:** Yeast (*Pichia Pastoris*)
- **Appearance:** White or off-white loose body
- **Molecular weight:** 6 kDa
- **Purity:** ≥98.0% by SDS-PAGE
- **Activity:** ≥ 1×10<sup>6</sup> IU/mg by a cell proliferation assay using Bal B/C 3T3 cell
- **Endotoxin:** <1.0 EU/mg

### Preparation and Storage

- **Reconstitution:** Recommend to reconstitute rhEGF at 100-200µg/ml in sterile water.

Further dilutions can be made in other aqueous buffer.

- **Storage:** Stored at temperature -20°C for at least 36 months.

**Please avoid repeated freeze-thaw cycles.**

### Related Products

Cat. No.	Product Name
HYC002C01	OsrHSA Premium, powder
HYC002C02	OsrHSA Premium, liquid
HYC002M01	OsrHSA Advanced, powder
HYC002R01	OsrHSA Precise, powder
HYC028M01	OsrHSA, Fatty acid free, liquid
HYC021M01	OsrhFN, powder
HYC044M01	OsrhTF, powder
HYC005M01	OsrhbFGF, powder
HYC026M01	OsrhVEGF, powder
HYC027M01	OsrhKGF, powder
HYC007M01	rhIGF-1 LR3, powder
HYC006M01	OsrhAAT, powder
HYC004M01	OsrhLF, powder
HYC042R01	OsrhLYZ, powder
HYC052R01	OsrCSA, liquid
HYC053R01	OsrFSA, liquid

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MANUFACTURE USE ONLY. NOT INTENDED  
FOR DIRECT USE ON HUMANS.**

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