rhEGF

Recombinant Human Epidermal Growth Factor

Cell Culture Grade, Lyophilized powder

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Introduction

Human epidermal growth factor (EGF) is a 6.2 kD protein with 53 amino acid residues and three intramolecular disulfide bonds. By binding with high affinity to epidermal growth fact 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 lyophilized powder
- **Molecular weight:** 6.2 kDa
- **Purity:** ≥98% by SDS-PAGE
- **Activity:** ≥ 1×10^6 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
HYC002C02	OsrHSA, Excipient Grade, liquid
HYC002C01	OsrHSA, Excipient Grade, powder
HYC002M01	OsrHSA, Cell Culture Grade, powder
HYC028M01	OsrHSA, Fatty acid free
HYC021M01	OsrhFN, Lyophilized powder
HYC007M01	rhIGF-1 LR3, Lyophilized powder
HYC005M01	OsrhbFGF, Lyophilized powder
HYC026M01	OsrhVEGF, Lyophilized powder
HYC027M01	OsrhKGF, Lyophilized powder
HYC004M01	OsrhLF, Lyophilized powder
HYC031R01	rProK, Liquid
HYC032R03	rProK, Lyophilized powder
HYC006M01	OsrhAAT, Lyophilized powder

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Wuhan Healthgen Biotechnology Corp.
268 Shendun 5th Road, East Lake High-Tech Development Zone, Wuhan, China 430020
www.oryzogen.net Email: cjing@oryzogen.com