

Human EGF

Human Epidermal Growth Factor, recombinant

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date*
500 µg	W 1325950500	38605011-A	August 2008

Description

Recombinant human Epidermal Growth Factor (EGF) is a 6.2 kDa protein containing 53 amino acid residues. EGF is a polypeptide growth factor, which stimulates the proliferation of a wide range of epidermal and epithelial cells.

- **Biological activity** $\geq 1 \times 10^7$ units/mg.
- **Source** E.coli
- **Purity** $\geq 98\%$ (SDS-PAGE, HPLC)
- **Endotoxin level** ≤ 0.1 ng per µg EGF (≤ 1 EU/µg)
- **Stabilizer** None
- **Buffer** None
- **Physical state** Sterile filtered, lyophilized

Biological activity

The ED₅₀ of ≤ 0.1 ng/ml was determined by the dose dependent stimulation of the proliferation of murine BALB/c 3T3 cells. It corresponds to a specific activity of $\geq 1 \times 10^7$ units/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in water to a concentration of 0.1-1.0mg/ml. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or at -20°C for future use.

Stability

The lyophilized protein is stable at room temperature for a few weeks, but best stored at -20°C. Reconstituted human EGF should be stored in working aliquots at -20°C. We recommend the addition of a carrier (1% HSA, BSA) for long term storage of the reconstituted protein. **Please avoid repeated freeze thaw cycles.**

Usage

FOR RESEARCH USE ONLY

NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

* For lyophilized product if stored as indicated. Please contact our technical support if the product has expired.

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