

## PRODUCT DATA SHEET

### Epidermal Growth Factor Human

**Cat. No.:** RP1762170500

**Size:** 0.5 mg

**Source:** E. coli

**Species:** Human

#### Other Names:

#### Description:

Recombinant Human EGF produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 53 amino acids and having a molecular mass of 6222 Dalton. The rHuEGF is purified by proprietary chromatographic techniques.

The sequence of the first five N-terminal amino acids was determined and was found to be Asn-Ser-Asp-Ser-Glu, which agrees with the sequence of native human EGF. N-terminal methionine has been completely removed enzymatically.

#### Purity:

Greater than 98.0% as determined by: - (a) Analysis by RP-HPLC. - (b) Anion-exchange FPLC. - © Analysis by reducing and non-reducing SDS-PAGE Silver

#### Endotoxin:

Less than 0.1 ng/μg (IEU/μg) of rHuEGF.

#### Formulation:

The protein was lyophilized from a concentrated (1mg/mL) solution with no additives.

#### Reconstitution:

It is recommended to reconstitute the lyophilized rHuEGF in sterile 18MΩ-cm H<sub>2</sub>O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

#### Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

#### Storage/Stability:

Lyophilized rHuEGF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution rHuEGF should be stored at 4°C between 2–7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

