

Human EGF Recombinant Protein



RPPB0163

Product Information Protein Information

Product SKU:

RPPB0163

Accession:

P01133

Host:

Escherichia Coli.

Protein description:

Epidermal Growth Factor Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 53 amino acids and having a molecular mass of 6.2kDa. The EGF is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Urogastrone, URG, EGF.

Formulation:

The protein was lyophilized from a concentrated (1mg/ml) solution containing PBS pH-7.4.

Purity:

Greater than 98.0% as determined by: (a) Analysis by HPLC. (b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Epidermal Growth Factor in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Epidermal Growth Factor Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EGF 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.

Amino Acid Sequence:

NSDSECPLSH DGYCLHDGVC MYEALDKYA CNCVVG YIGE RCQYRDLKWW ELR.

Biological Activity:

The ED₅₀ as determined by a cell proliferation assay using murine Balb/c 3T3 cells is less than 0.1 ng/ml, corresponding to a specific activity of >1.0x10⁷ IU/mg.