

Human EGF (1-51) Recombinant Protein



RPPB0167

Product Information Protein Information

Product SKU:

RPPB0167

Accession:

P01133

Host:

Saccharomyces
cerevisiae

Protein description:

Epidermal Growth Factor (1-51 a.a.) Human Recombinant produced in yeast is a single, glycosylated polypeptide chain containing 51 amino acids and having a molecular mass of 6.0kDa. The EGF is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Urogastrone, URG, EGF.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Purity:

Greater than 98.0% as determined by:(a) Analysis by RP-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 EGF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Epidermal Growth Factor should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

NSDSECPLSH DGYCLHDGVC MYEALDKYA CNCVVG YIGE RCQYRDLKWW E.

Biological Activity:

The ED₅₀ is determined by a cell proliferation assay using murine Balb/c 3T3 cells and is < than 0.1 ng/ml, corresponding to a specific activity of > 1.0 × 10⁷ IU/mg.