

RPPB0164

Product Information Protein Information

Product SKU:

RPPB0164

Accession:

Q6QBS2

Host:

Pichia Pastoris.

Protein description:

Epidermal Growth Factor Human Recombinant produced in Pichia Pastoris is a single, glycosylated, polypeptide chain containing 51 amino acids and having a molecular mass of 6KDa. The EGF is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Urogastrone, URG, EGF.

Formulation:

Lyophilized from a 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 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 E.

Biological Activity:

The ED₅₀, calculated by the dose-dependant proliferation of murine BALB/c 3T3 cells (measured by 3H-thymidine uptake) is < 0.1 ng/ml corresponding to a specific activity of 1 x 10⁷ Units/mg.