

Human EGF (Leu 21) Recombinant Protein



RPPB0165

Product Information Protein Information

Product SKU:

RPPB0165

Host:

Escherichia Coli.

Protein description:

EGF 21-Leu Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 53 amino acids and having a molecular mass of 6205 Dalton. The EGF 21-Leu 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 with no additives.

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 21-Leu 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 21 Leu although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EGF 21-Leu 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:

The sequence of the first five N-terminal amino acids was determined and was found to be Asn-Ser-Asp-Ser-Glu.

Biological Activity:

The ED₅₀, calculated by the dose-dependant proliferation of MDCK cells is < 10ng/ml concentration corresponding to a Specific Activity of 100,000IU/mg.