

Mouse EGF Protein Recombinant Protein



RPPB0168

Product Information Protein Information

Product SKU:

RPPB0168

Accession:

P01132

Host:

Escherichia Coli.

Protein description:

Epidermal Growth Factor Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 53 amino acids including 3 intramolecular disulfide-bonds and having a molecular mass of 6 kDa. 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 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 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:

NSYPGCPSSY DGYCLNGGVC MHIESLDSYT CNCVIGYSGD RCQTRDLRWW ELR.

Biological Activity:

The activity is determined by the dose-dependent proliferation of mouse BALB/c 3T3 cells and is typically less than 0.1ng/ml.