

# Rat EGF Recombinant Protein



RPPB0172

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## Product Information    Protein Information

**Product SKU:**

RPPB0172

**Accession:**

P07522

**Host:**

Escherichia Coli.

**Protein description:**

Epidermal Growth Factor Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 53 amino acids and having a molecular mass of 6151 Dalton. The Rat EGF is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Urogastrone, URG, EGF.

**Formulation:**

Rat EGF was lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) 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 Rat EGF in sterile water not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

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

NSNTGCPPSY DGYCLNGGVC MYVESVDRYV CNCVIGYIGE RCQHRDLRWW KLR.

**Biological Activity:**

The ED50 as calculated by the dose-dependant proliferation of murine BALB/c 3T3 cells is less than 0.1ng/ml, corresponding to a specific activity of > 10,000,000 units/mg.