EGF
Recombinant Human Epidermal Growth Factor

Catalog No.	CRE100A CRE100B CRE100C	**Quantity:**	100 µg 0.5 mg 1.0 mg

Alternate Names: Beta-urogastrone, Urogastrone, EGF-URO, HMGF, PGF, URG

Gene ID: 1950

Protein Accession No: NP_001954

Description: Recombinant human EGF is a single non-glycosylated polypeptide chain containing 53 amino acids.

Source: *E. coli*

Molecular Weight: 6.2 kDa

Formulation: Lyophilized from a sterile filtered solution in PBS, pH 7.4

Purity: >98% by HPLC and SDS-PAGE

Endotoxin Level: <0.1 ng/µg of EGF

Biological Activity: Determined by the dose-dependent proliferation of mouse BALB/c 3T3 cells (measured by ^{3}H-thymidine uptake). The ED_{50} is <0.1 ng/ml.

Specific Activity: 1.0×10^{7} units/mg

Amino Acid Sequence: NSDSECPLSH DGYCLHDGVC MYIEALDKYA CNCVVGYIGE RCQYRDLKWW ELR

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: Stable at 2-8°C, but best kept desiccated -20°C. Upon reconstitution, stable for up to 1 week at 2-8°C. For longer term, store in working aliquots below -20°C. **Avoid repeated freeze/thaw cycles.**

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