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## Recombinant Human EGF

**Product Number: CK00811**

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### Characteristics:

**Source:** E. coli

**Description:** Human EGF (Asn971-Glu1021)

**Accession #** P01133

**Predicted molecular mass:** 6.0 kDa

### Specification:

**Appearance:** White powder, Colorless clear liquid after reconstitution

**Purity:**  $\geq 95\%$ , by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)

**Endotoxin:**  $\leq 100$  EU/mg by the LAL method

**Activity:** Measured in a cell proliferation assay using NIH3T3 mouse embryonic fibroblast cells. The ED50 for this effect  $\leq 0.3$  ng/mL.

**Formulation:** Lyophilized from a 0.22  $\mu$ m-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4

**Size:** 50  $\mu$ g/vial, 1 mg/vial

### Handling and Storage:

**Reconstitution:** It is recommended to redissolve in sterile deionized water.

**Shipping:** The product is shipped with blue ice.

**Storage & Stability:** 36 months at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  in lyophilized state; 6 months at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  under sterile conditions after reconstitution; 7-10 days at  $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$  under sterile conditions after reconstitution. **Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**