

## 32-20073: Animal-Free Recombinant Rat EGF(Discontinued)

**Reactivity :** Mouse

**Alternative Name :** Epidermal Growth Factor, Urogastrone, URG

### Description

**Source:** **E.coli** EGF is a potent growth factor that stimulates the proliferation of various epidermal and epithelial cells. Additionally, EGF has been shown to inhibit gastric secretion, and to be involved in wound healing. EGF signals through a receptor known as c-erbB, which is a class I tyrosine kinase receptor. This receptor also binds with TGF-Alpha and VGF (vaccinia virus growth factor). Recombinant Rat EGF is a 6.2 kDa globular protein containing 54 amino acid residues, including 3 intramolecular disulfide bonds.

### Product Info

**Amount :** 20 µg / 100 µg

**Purification :** Purity:  $\geq 98\%$  by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** MNSNTGCPPS YDGYCLNGGV CMYVESVDYR VCNCVIGYIG ERCQHRDLRW WKLR

### Application Note

The  $ED_{50}$  was determined by a cell proliferation assay using BALB/c 3T3 cells is  $\leq 0.1$  ng/ml, corresponding to a specific activity of  $\geq 1 \times 10^7$  units/mg.