

PRODUCT INFORMATION SUMMARY

Rat EGF

Purified Factor	Product Number	RC333210B	100 ug
	Product Number	RC333210A	20 ug

DESCRIPTION:

Rat Epidermal Growth Factor (EGF) acts in the proliferation of epidermal and epithelial cells, and is involved in wound healing and inhibition of gastric secretion. The EGF protein signals through a tyrosine kinase receptor (c-erbB) that also binds TGF-alpha. Rat EGF has molecular weight of 6.2 kDa, with 54 aa. residues, including 3 disulfide bonds.

SOURCE: E. Coli
Purity > 98% by HPLC analysis
Endotoxin < 0.1 ng per ug Rat EGF

BIOLOGICAL ACTIVITY:

Fully biologically active when compared to standards.

Activity determined by its ability to induce cell proliferation with BALB/c 3T3 cells at 0.1 ng/mL for 50% maximal endpoint or 1×10^7 units/mg.

HANDLING AND STORAGE:

Purified Rat EGF is provided lyophilized with no additives. Store lyophilized, at -20° C. **Spin-down vial for 30 seconds** and then reconstitute with distilled (or sterile) water to a concentration of 100 ug/mL, further dilute in PBS or other buffered solutions. Store small aliquots, **with addition of carrier protein (0.1% BSA)**, at -20° C for long-term storage - up to 3 months, at high concentration.

Before opening vial to reconstitute, it is recommended to **microcentrifuge vial** for 30 seconds - this will help recovery of full contents that may have adhered to surfaces of vial during lyophilization.

WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

RESEARCH USE ONLY -NOT for DRUG USE