

**Recombinant Rat EGF**  
**Catalog # PBG10071****Specification**

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**Recombinant Rat EGF - Product Information****Recombinant Rat EGF - Additional Information****Description**

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.

**Biological Activity**

The  $\text{ED}_{50}$  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.

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is  $<0.1$  ng/  $\mu\text{g}$  of protein ( $<1\text{EU}/\mu\text{g}$ ).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Recombinant Rat EGF is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Rat EGF - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

## **Recombinant Rat EGF - Images**