

Animal-Free Recombinant Murine EGF
Catalog # PBG10554**Specification**

Animal-Free Recombinant Murine EGF - Product Information**Animal-Free Recombinant Murine EGF - Additional Information****Description**

Epidermal Growth Factor (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- α and VGF (vaccinia virus growth factor). Recombinant murine EGF is a 6.0 kDa globular protein containing 53 amino acid residues, including 3 intramolecular disulfide-bonds.

Biological Activity

The ED₅₀ was determined by a cell proliferation assay using BALB/c 3T3 cells is ≤ 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/ μ g of protein (<1 EU/ μ g).

Protein Content

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

Storage

-20°C

Precautions

Animal-Free Recombinant Murine EGF is for research use only and not for use in diagnostic or therapeutic procedures.

Animal-Free Recombinant Murine 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](#)

Animal-Free Recombinant Murine EGF - Images