

Recombinant Human Amphiregulin
Catalog # PBG10010**Specification**

Recombinant Human Amphiregulin - Product Information**Recombinant Human Amphiregulin - Additional Information****Description**

Amphiregulin is an EGF related growth factor that signals through the EGF/TGF- α receptor, and stimulates growth of keratinocytes, epithelial cells and some fibroblasts. Amphiregulin also inhibits the growth of certain carcinoma cell lines. Synthesized as a transmembrane protein, Amphiregulin's extracellular domain is proteolytically processed to release the mature protein. There are 6 conserved cysteine residues, which form 3 intramolecular disulfide bonds essential for biological activity. Recombinant human Amphiregulin is a 11.3 kDa glycoprotein consisting of 98 amino acid residues.

Biological Activity

Determined by its ability to stimulate the proliferation of M Balb/c 3T3 cells. The expected ED_{50} for this effect is 5-10 ng/ml.

Authenticity

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

Endotoxin

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

Protein Content

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

Storage

-20°C

Precautions

Recombinant Human Amphiregulin is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human Amphiregulin - 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 Human Amphiregulin - Images