

### **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-a 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 <strong>ED</strong><sub>50</sub> for this effect is 5-10 ng/ml.

#### **Authenticity**

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

#### **Endotoxin**

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

### **Protein Content**

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

### **Storage**

-20°C

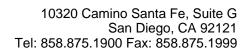
# **Precautions**

Recombinant 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
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety





• Cell Culture

Recombinant Human Amphiregulin - Images