

ANTIGENIX America Inc.

## PRODUCT INFORMATION SUMMARY

### Human Amphiregulin

Purified Factor	Product Number	HC67710A	10.0 ug
	Product Number	HC67710B	50.0 ug

#### DESCRIPTION:

Human Amphiregulin is a growth factor related to EGF. It signals via the EGF/TGF $\alpha$  receptor complex and has shown ability to inhibit growth of certain carcinomas. Amphiregulin also stimulates growth of epithelial cells and keratinocytes. The mature form of this factor is cleaved from the extracellular domain of the transmembrane precursor. This glycoprotein has 98 aa. residues and 11.3 kDa molecular weight.

**SOURCE:** E. Coli  
Purity > 95% by HPLC analysis  
Endotoxin < 0.1 ng per ug Amphiregulin  
Sterile-filtered and lyophilized from PBS

#### BIOLOGICAL ACTIVITY:

This human Amphiregulin was observed to stimulate Mouse 3T3 cells in range of 5-10 ng/mL for half maximal effect.

#### HANDLING AND STORAGE:

Purified Human Amphiregulin factor is provided lyophilized. Store lyophilized, at -20° C. **Microcentrifuge** before reconstitution (see below). Upon reconstitution in sterile or distilled water to approx. concentration of 100.0 ug/mL, further dilute in PBS or other buffered solutions. Store small aliquots at -20° C for long-term storage - up to 3 months, at high concentration.

**Before opening vial**, it is recommended to **microcentrifuge** vial for 30 seconds to **spin-down** any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

**RESEARCH USE ONLY -NOT for DRUG USE**

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