

## PRODUCT INFORMATION SUMMARY

### Human EGF

(Epidermal Growth Factor)

#### Animal-Free prep

PRODUCT NUMBER HC88823B Purified factor 500 ug  
PRODUCT NUMBER HC88823A Purified factor 100 ug

#### DESCRIPTION:

Human Epidermal Growth Factor (EGF) is a growth factor which stimulates proliferation epidermal and epithelial cells. Human EGF has molecular weight of 6.2 kDa with 53 amino acid residues.

This EGF preparation is **Animal-Free**, manufactured **without** use of any animal media or components.

#### SOURCE:

E. Coli  
Purity greater than 98% by HPLC analysis  
Endotoxin level < 0.1 ng per ug EGF.

#### HANDLING AND STORAGE:

Provided as lyophilized protein. Human EGF should be reconstituted to 100 ug/mL of sterile or distilled water. Further dilute in PBS or other buffered solutions. This can be stored frozen in small aliquots, **with addition of 0.1% BSA or similar stabilizing protein**, at high concentration - up to 3 months. Avoid multiple freeze-thaw cycles.

**Microcentrifuge before reconstitution.** Because ANTIGENIX AMERICA factors are provided carrier-protein free, the small quantities of lyophilized protein can adhere to the sides of the vial. **Before opening vial**, we recommend microcentrifuging for 30 seconds to spin-down all material.

#### BIOACTIVITY:

Fully biologically active as compared to standards. Specific activity corresponding to  $1 \times 10^7$  units/mg. Units as determined by thymidine uptake by BALB/c 3T3 in dose dependent assay.  
Range of activity: 0.5 - 25 ng/mL.

#### Cross Reactivity:

Cow, Hamster, Monkey, Mouse, Pig, Rabbit, Rat, Human, Human + Mouse, Chicken, Tunicate, Salamander

**FOR RESEARCH USE ONLY. NOT FOR THERAPEUTIC OR DRUG USE.**