

**ANTIGENIX AMERICA Inc**  
**1-800-558-1008**  
**PRODUCT INFORMATION SUMMARY**

## **Human Heregulin Beta 1**

Purified Factor	Product Number	HC88836B	50.0 ug
		HC88836A	10.0 ug

### **DESCRIPTION:**

Human Heregulin (HRG1) is part of a family of 14 structurally related growth factors derived from the NRG1 gene. HRG1 Beta-1 contains an EGF-like and Ig-like domain necessary for binding to tyrosine kinases, leading to tyrosine phosphorylation. Human Heregulin is also known as Neuregulin, or Neu differentiation factor in rat model, and is believed to promote invasiveness of breast cancer cells. Human HRG-1 is molecular weight of 7.5 kDa, with 65 aa. residues..

### **SOURCE:**

E coli  
Purity > 98% by HPLC  
Endotoxin < 0.1 ng per ug HCC-1

### **BIOLOGICAL ACTIVITY:**

As determined by ability to stimulate proliferation of human MCF-7 cells at 0.5 ng/mL, with specific activity of at least  $2 \times 10^6$  units/mg.

### **HANDLING AND STORAGE:**

Purified Human Heregulin Beta -1 factor is provided lyophilized. Store lyophilized, at -20° C. Can be reconstituted with **distilled water** to a concentration of 100 ug/mL, then dilute in PBS or other buffered solutions. Store small aliquots at -20° C for long-term storage, at high concentration.

**Microcentrifuge before reconstitution.** Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend microcentrifuging for 30 seconds to spin-down all material.

### **WARRANTY:**

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

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