

## PRODUCT INFORMATION SUMMARY

### Human FGF-4

(Fibroblast Growth Factor)

|                |          |                 |         |
|----------------|----------|-----------------|---------|
| PRODUCT NUMBER | HC88859B | Purified Factor | 25.0 ug |
|                | HC88859A | Purified Factor | 5.0 ug  |

#### DESCRIPTION:

Human Fibroblast Growth Factor-4 (FGF-4) is a growth factor which binds heparin and stimulates proliferation of many cell types that express FGF receptors. Human FGF-4 has molecular weight of 19.0 kDa with 182 amino acid residues.

#### SOURCE:

E. Coli  
Purity greater than 95% by HPLC analysis  
Endotoxin level < 0.1 ng per ug FGF-4.

#### HANDLING AND STORAGE:

Provided as lyophilized protein. Human FGF-4 should be reconstituted in distilled or sterile water to concentration of 100 ug/mL. Further dilute in PBS or other buffered solutions. This can be stored in small aliquots at 4° C (one week) or frozen (-20 Deg. C.) for long-term storage. Avoid **any** 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  $2 \times 10^6$  units/mg (0.5ng/mL). Units as determined by thymidine uptake by BaF3 cells expressing FGF receptors.

**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.

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