



AAA #HC 88825

## PRODUCT INFORMATION SUMMARY

### Human FGF Basic

(Fibroblast Growth Factor)

PRODUCT NUMBER HC88825 Purified factor 50 ug

#### DESCRIPTION:

Human Fibroblast Growth Factor-Basic (FGF) is a growth factor which binds heparin and stimulates proliferation of many cell types including endothelial, mesenchymal and neuroectodermal cells. In Vivo angiogenic effects have also been reported. Human FGF-basic has molecular weight of 17.2 kDa with 155 amino acid residues.

#### SOURCE:

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

#### HANDLING AND STORAGE:

Provided as lyophilized protein. Human FGF basic should be reconstituted in Tris (5 mM, pH 7.6) to concentration of 100 ug/mL. Further dilute in PBS or other buffered solutions. **Avoid acidic conditions** - FGF-basic is sensitive to acidic conditions. This can be stored in small aliquots at 4° C. Avoid **any** freeze-thaw cycles. Working aliquots may be lyophilized. **DO NOT FREEZE** after reconstitution.

**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  $7 \times 10^5$  units/mg. Units as determined by thymidine uptake by BaF3 cells expressing FGF receptors.  
Range of activity: 0.1 - 10 ng/mL.

**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.**