

PRODUCT INFORMATION SUMMARY

Human FGF-18

(Fibroblast Growth Factor)

PRODUCT NUMBER HC88867B	Purified factor	25.0 ug
HC88867A	Purified factor	5.0 ug

DESCRIPTION:

Human Fibroblast Growth Factor-18 (FGF-18) is a growth factor which binds heparin and stimulates proliferation of many cell types that express FGF receptors. Human FGF-18 signals via FGFR- 1c, 2c, 3c, and 4 and is involved in embryonic and long bone development. Human FGF-18 has molecular weight of 20.1 kDa with 173 amino acid residues.

SOURCE:

E. Coli
Purity greater than 95% by HPLC analysis
Endotoxin level < 0.1 ng per ug FGF-18.

HANDLING AND STORAGE:

Provided as lyophilized protein. Human FGF-18 should be reconstituted with **5mM Tris pH 8.0**, Further dilute in PBS or other buffered solutions **containing 0.1% BSA**. This can be stored in small aliquots at 4° C (one week) or frozen (-20 Deg. C.) for long-term storage - up to 3 months. 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 2×10^6 units/mg (0.5 ng/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.