

ANTIGENIX AMERICA inc.

PRODUCT INFORMATION SUMMARY

Human FGF-23

(Fibroblast Growth Factor)

PRODUCT NUMBER	HC67721B	Purified factor	20.0 ug
PRODUCT NUMBER	HC67721A	Purified factor	5.0 ug

DESCRIPTION:

Human Fibroblast Growth Factor-23 (FGF-23) is a growth factor which regulates phosphate and vitamin D in the kidney. The co-receptor for signaling is a Klotho-FGFR1 complex in renal glands. Human FGF-21 signals via FGFR-1c, and 4 and is involved in embryonic development. Human FGF-23 has molecular weight of 25.5 kDa with 228 amino acid residues.

SOURCE:

E. Coli
Purity greater than 96% by HPLC analysis
Endotoxin level < 0.1 ng per ug FGF-23.

HANDLING AND STORAGE:

Provided as lyophilized protein. Human FGF-23 should be reconstituted with distilled water to approx. 100 ug/mL concentration, further dilute in PBS or other buffered solutions. This can be stored in small aliquots, **with addition of 0.1% BSA**, frozen @ -20 Deg. C. for 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:

In presence of mouse Klotho protein and heparin, FGF-23 will stimulate proliferation of Mouse NIH-3T3 cells. Half-maximal effect is at approx. 3.0 - 4.0 ug/mL

X-reactivity with Mouse and Rat observed.

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