

ANTIGENIX AMERICA Inc.

PRODUCT INFORMATION SUMMARY

Mouse FGF-23

Purified Factor	Product Number	RC444252B	20.0 ug
Purified Factor	Product Number	RC444252A	5.0 ug

DESCRIPTION:

Mouse Fibroblast Growth Factor-23 (FGF-23), is a FGF sub-family of factors that act as circulating hormones. The Klotho protein acts as a co-receptor for signaling (Klotho-FGFRA-IIIc complex). FGF-23 is a bone-derived hormone that acts in kidney and regulates renal sodium phosphate co transporters and Vitamin-D metabolizing enzymes. Mouse FGF-23 is a 25.5 kDa protein with 228 aa. residues.

SOURCE: E. Coli (gene ID 64654)
Purity > 95% by HPLC analysis
Endotoxin < 0.1 ng per ug mouse FGF-23
Sterile filtered and lyophilized from buffered saline.

BIOLOGICAL ACTIVITY:

Proliferation assay using mouse NIH-3T3 cells, with half-maximal effect corresponding to 0.40 ug/mL with presence of mouse Klotho and Heparin.

HANDLING AND STORAGE:

Purified Mouse FGF-23 factor is provided lyophilized with no additives. Store lyophilized, at -20° C. Quick-spin (see below) and then reconstitute with water to approx. 50.0 ug/mL concentration. Further dilute in PBS or other buffered solutions. Store small aliquots, with addition of 0.1% BSA, at -20° C for long-term storage - up to 3 months , at high concentration. **AVOID repeat freeze-thaw** as loss of activity will occur.

Before opening vial, it is recommended to micro-centrifuge (**spin-down**) vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

RESEARCH USE ONLY -NOT for DRUG USE

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