

PRODUCT INFORMATION SUMMARY

Human FGF-21

(Fibroblast Growth Factor)

PRODUCT NUMBER	HC70120B	Purified factor	25.0 ug
PRODUCT NUMBER	HC70120A	Purified factor	5.0 ug

DESCRIPTION:

Human Fibroblast Growth Factor-21 (FGF-21) is a growth factor which stimulates insulin-independent glucose uptake by adipocytes in presence of protein cofactor betaKlotho. Human FGF-21 signals via FGFR- 1c, and 4 and is involved in embryonic development. Human FGF-21 has molecular weight of 19.5 kDa with 182 amino acid residues.

SOURCE:

E. Coli
Purity greater than 90% by HPLC analysis
Endotoxin level < 0.1 ng per ug FGF-21.

HANDLING AND STORAGE:

Provided as lyophilized protein. Human FGF-21 should be reconstituted with distilled water to 100ug/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 absence of betaKlotho protein, FGF-21 has weak activity 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.

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