

## PRODUCT INFORMATION SUMMARY

### Human GDF-15

(Growth Differentiating Factor -15)

Purified Factor	Product Number	HC67740B	20.0 ug
	Product Number	HC67740A	5.0 ug

#### DESCRIPTION:

Human GDF-15 (Growth Differentiating Factor -15,) is a TGF Beta family protein, expressed in predominately in placenta tissue. GDF-15 can be found in amniotic fluid and in serum of pregnant women, and thus may play role in embryonic development. GDF-15 exerts a tumor suppressive activity, yet is correlated with progression of some tumors- including colorectal, prostate, and pancreatic.

This recombinant cell-derived Human GDF-15 is a homodimeric protein with two 112 aa chains with MW of approx. 24.6 kDa.

**SOURCE:** CHO cells  
Purity > 96% by HPLC analysis  
Endotoxin < 0.1 ng per ug GDF-15

**BIOLOGICAL ACTIVITY:** Inhibits alkaline phosphatase activity in osteoblasts ( MC3T3)with half-maximal effect @ 100-200 ng/mL.

#### HANDLING AND STORAGE:

Purified GDF-15 is provided lyophilized. Store lyophilized, at -20° C. Can be reconstituted with **sterile or distilled water** to a concentration of approx. 100 ug/mL, then dilute in PBS or other buffered solutions. Store small aliquots, **with addition of 0.1% BSA**, at -20° C, for up to 3 months, at high concentration.

**Microcentrifuge before reconstitution.** Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend microcentrifuging for 30 seconds to spin-down all material.

**RESEARCH USE ONLY -NOT for DRUG USE**

ANTIGENIX America Inc.