

## PRODUCT INFORMATION SUMMARY

### Human GDF-15 (MIC-1)

Purified Factor	Product Number	HC711260B	20.0 ug
Purified Factor	Product Number	HC711260A	5.0 ug

#### DESCRIPTION:

Human Growth/Differentiation Factor-15 (GDF-15) is a member of the TGF beta family of growth factors and is involved in prenatal and postnatal growth and development. GDF-15 is found in placental tissues and amniotic fluid and is believed to exert tumor suppressive activity. However, GDF-15 serum levels have been shown to correlate with certain neoplastic progression of pancreatic, prostate, colorectal and other tumor types. Recombinant GDF-15 contains two 114 aa. chains, with 24.5 kDa molecular weight.

**SOURCE:** E. Coli  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug GDF-15  
Sterile-filtered and lyophilized from PBS

**BIOLOGICAL ACTIVITY:** The half-maximal inhibition of DU-145 cells is 2.0 ug/mL.

#### HANDLING AND STORAGE:

Purified Human GDF-15 factor is provided lyophilized. Store lyophilized, at -20° C. **Microcentrifuge** before reconstitution (see below). Upon reconstitution in 50 uL of sterile or distilled water, further dilute in PBS or other buffered solutions. Store small aliquots, **with addition of carrier protein ie., 0.1% BSA,** at -20° C for long-term storage, at high concentration.

**Before opening vial,** it is recommended to microcentrifuge 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.

#### 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.

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