

PRODUCT INFORMATION SUMMARY

Human GDF-3

Purified Factor	Product Number	HC88905B	20 ug
Purified Factor	Product Number	HC88905A	5 ug

DESCRIPTION:

Human Growth/Differentiation Factor-3 (GDF-3) is a member of the TGF beta family of growth factors and is closely related to GDF-9. These peptides are non-disulfide linked homodimers. GDF-3 is expressed in bone marrow, adipose tissue, spleen and thymus. GDF-3 up-regulation may be associated with obesity, but not type-II diabetes. Recombinant GDF-3 contains two 114 aa. chains, with 26.0 kDa molecular weight.

SOURCE: E. Coli
Purity > 98% by HPLC analysis
Endotoxin < 0.1 ng per ug GDF-3
Sterile-filtered and lyophilized from PBS

BIOLOGICAL ACTIVITY: The half-maximal inhibition of induced alkaline phosphatase production by chondrogenic ATDC-5 cells is 150 ng/mL.

HANDLING AND STORAGE:

Purified Human GDF-3 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 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