

Human IGF-I

(Insulin-Like Growth Factor)

Purified Factor Product Number HC88826 100 ug

DESCRIPTION:

Human Insulin-Like growth Factor I (IGF) is a protein that induces proliferation in a wide range of cell types and is involved in the growth of bone, muscle and cartilage tissues. Human IGF-I is a 7.6 kDa protein with 70 aa. residues.

SOURCE: E. Coli

Purity > 98% by HPLC analysis

Endotoxin < 0.1 ng per ug IGF-I

BIOLOGICAL ACTIVITY:

Fully biologically active when compared to standards. Specific activity as measured by dose-dependant stimulation of BALB/c 3T3 cells thymidine uptake is 1×10^6 units/mg corresponding to 1.0 ng/mL. For most applications, IGF-I exerts biological activity in range 0.2 - 20 ng/mL.

HANDLING AND STORAGE:

Purified Human IGF-I factor is provided lyophilized with no additives. Store lyophilized, at -20° C. Upon reconstitution with sterile or distilled water to a concentration of 1 mg/mL, 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