

PRODUCT INFORMATION SUMMARY

Human IGF-Binding Protein-3

Purified Factor	Product Number	HC70045B	25.0 ug
	Product Number	HC70045A	5.0 ug

DESCRIPTION:

Human Insulin-Like growth Factor (IGF)Binding Protein-3 is the major form found in human and animal plasma. It is also found in alpha granules of platelets. This protein inhibits the activity Follicle Stimulation Hormone (FSH) and regulates activity of IGF-I and IGF-II. Low levels of IGF B.P.-3 can result in dwarfism, and elevated levels may indicate acromegaly . IGF B.P.-3 is a 28.8 kDa protein with 264 aa. residues.

SOURCE: E. Coli
Purity > 98% by HPLC analysis
Endotoxin < 0.1 ng per ug IGF B.P.

BIOLOGICAL ACTIVITY: Half maximal affect of ability to inhibit IGF-II induced proliferation of MC-7 is 0.2 ug/mL, in presence of 15.0 ng/mL of human IGF-II.

HANDLING AND STORAGE:

Purified Human IGF B.P.-3 factor is provided lyophilized with no additives. Store lyophilized, at -20° C. Upon reconstitution with sterile or distilled water to a concentration of 100 ug/mL, further dilute in PBS or other buffered solutions. Store small aliquots, **with addition of 0.1% BSA**, at -20° C for long-term storage - up to 3 months, 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