

PRODUCT INFORMATION SUMMARY

Human IGF-Binding Protein-4

Purified Factor	Product Number	HC88903B	20 ug
		HC88903A	5.0 ug

DESCRIPTION:

Human Insulin-Like growth Factor (IGF) Binding Protein-4 is a key IGF Binding Protein produced by osteoblasts and also found in epidermis and ovarian follicles. This protein inhibits the activity of IGF-I and IGF-II by binding to form complexes with reduced signal activity. IGF B.P.-4 can inhibit growth of chick pelvis cartilage, and reduce colony formation in colorectal cancer cells. This protein is regulated by Pregnancy Associated Plasma Protein A, and this interaction may be involved in growth inhibition of certain ovarian cancer cells. IGF B.P.-4 is a 26.1 kDa protein with 238 aa. residues, including the Binding Protein domain and thyroglobulin type-I domain.

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

BIOLOGICAL ACTIVITY:

Currently under testing.

HANDLING AND STORAGE:

Purified Human IGF B.P.-4 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 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