

PRODUCT INFORMATION SUMMARY

Human PDGF-CC

Purified Factor	Product Number	HC711290B 20.0 ug
		HC711290A 5.0 ug

DESCRIPTION:

Human Platelet Derived Growth Factor (PDGF) is a strong mitogen active on a wide range of cell types including fibroblasts, connective tissue and smooth muscle. Composed of a dimer with A and B chains, and can be present in AB heterodimer or AA or BB, CC or DD homodimer forms. Two separate signaling receptors for PDGFs (Alpha and Beta) have been described. Human PDGF AA, AB, BB, and CC signal primarily via The Alpha Receptor, and PDGF-DD binds the Beta receptor. Human PDGF-CC is a 25.0 kDa homodimeric protein with two 114 aa. chains.

SOURCE: E. Coli
Purity > 98% by HPLC analysis
Endotoxin < 0.1 ng per ug PDGF
Sterile filtered and lyophilized.
Additive-free.

BIOLOGICAL ACTIVITY:

Fully biologically active when compared to standards, activity determined by dose-dependent proliferation of Balb/c 3T3 cells, ED₅₀ of 20.0 ng/mL.

HANDLING AND STORAGE:

Purified PDGF is provided lyophilized with no additives. Store lyophilized, at -20 ° C. Quick spin and **reconstitute with sterile or distilled water** to concentration of 100 ug/L. Further dilute in PBS or other buffered solutions. Store small aliquots at -20 ° C, with addition of carrier protein (ie., 0.1% BSA), 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