

PRODUCT INFORMATION SUMMARY

Human PAI-2

Purified Factor	Product Number	HC70126B	10.0 ug
		HC70126A	2.0 ug

DESCRIPTION:

Human Plasminogen Activator Inhibitor-2 (PAI) is a strong inhibitor of urokinase-type plasminogen activator (uPA). PAI-2 is a serpin protein of non-glycosylated 47 kDa form, and secreted as a 60kDa glycoprotein. Expressed by monocytes, keratinocytes, and placental blasts it has ability to spontaneously form dormant polymers under physiological conditions. Plasma levels of PAI-2 are very low or undetectable, except during pregnancy and some forms of monocytic leukemia. PAI-2 may have a role in prevention of metastatic breast, lung and neck cancers, and is a factor in the innate immune response to viral infection. Human PAI-2 is a 47.0 kDa non-glycosylated protein with 415 aa. residues.

SOURCE: E. Coli
Purity > 95% by HPLC analysis
Endotoxin < 0.1 ng per ug PAI-2
Sterile filtered and lyophilized.
Additive-free.

BIOLOGICAL ACTIVITY:

Fully biologically active when compared to standards, activity determined by inhibitory effect against single chain tPA induced cleavage of a chromogenic substrate in Imidazole buffer at 37 Deg. C. At 1.0 ug/mL, half-maximal inhibition of 1.0 ug/mL of single chain tPA was achieved.

HANDLING AND STORAGE:

Purified PAI-2 is provided lyophilized from 10mM Tris, pH 8.0 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.

RESEARCH USE ONLY -NOT for DRUG USE