

REV: 1/17

## PRODUCT INFORMATION SUMMARY

### Human PAI-1

Purified Factor	Product Number	HC711360B 10.0 ug
		HC711360A 2.0 ug

#### DESCRIPTION:

Human Plasminogen Activator Inhibitor-1 (PAI) is a strong inhibitor of urokinase-type plasminogen activator (uPA). Expressed by certain tumor cells, and adipose, liver and vascular tissues, its elevated levels are associated with diabetes and obesity. Plasma levels of PAI-1 and deficiency in plasminogen activators form a link to increased risk of thrombosis and coronary disease. Human PAI-1 is a 42.7 kDa protein with 379 aa. residues.

**SOURCE:** E. Coli  
Purity > 95% by HPLC analysis  
Endotoxin < 0.1 ng per ug PAI-1  
Sterile filtered and lyophilized.  
Additive-free.

**BIOLOGICAL ACTIVITY:** Ability to inhibit single chain tPA induced cleavage of chromogenic substrate in Imidazole Buffer. Half-maximal inhibition at PAI-1 concentration of 2.0 ug/mL with 1.0 ug/mL of tPA.

#### HANDLING AND STORAGE:

Purified PAI-1 is provided lyophilized from 10mM PBS, pH 7.5 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**