

Human Plasminogen Activator Inhibitor-1 (PAI-1), plasma Reference standard

Cat. No. SERPINE1-122H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The Standard consists of reactivated recombinant (in Chinese hamster ovary cells) PAI-1 added to normal human plasma and lyophilized following ampouling.
Species	Human
Source	CHO
Usage	Allow ampoules to warm to room temperature. Open ampoule, taking care to ensure that all material is in the lower part, and reconstitute with 1.0ml distilled water.
Notes	This preparation is not for administration to humans. The preparation contains material of human origin, and either the final product or the source materials, from which it is derived, have been tested and found negative for HBsAg, anti-HIV and HCV RNA. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratorys safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.
Stability	Reference materials are held at Creative Biomart within assured, temperature-controlled storage facilities. Reference Materials should be stored on receipt as indicated on the label.
Storage	Unopened ampoules should be stored in the dark at or below - 20°C. Please note:

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because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

GENE INFORMATION

Gene Name	SERPINE1 serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1 [Homo sapiens];
Official Symbol	SERPINE1
Synonyms	SERPINE1; serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1; PAI1, PLANH1, serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1; plasminogen activator inhibitor 1; PAI; plasminogen activator inhibitor; type I; serpin E1; endothelial plasminogen activator inhibitor; serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1; PAI1; PAI-1; PLANH1;
Gene ID	5054
mRNA Refseq	NM_000602
Protein Refseq	NP_000593
MIM	173360
UniProt ID	P05121
Chromosome Location	7q21.3-q22
Pathway	Adipogenesis, organism-specific biosystem; BMAL1:CLOCK/NPAS2 Activates

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Circadian Expression, organism-specific biosystem; Blood Clotting Cascade, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Circadian Clock, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem;

Function

peptidase inhibitor activity; protease binding; protein binding; contributes_to receptor binding; serine-type endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

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