

Recombinant Rat Serpin Peptidase Inhibitor, Clade E (nexin, plasminogen activator inhibitor type 1), Member 1

Cat. No. Serpine1-5310R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Serpine1 was expressed in Rat Plasma.
Species	Rat
Source	Rat Plasma
Description	Serpine1 is the principal inhibitor of Tissue Plasminogen Activator (tPA) and Urokinase (uPA), the activators of Plasminogen and hence fibrinolysis. It is a serine protease inhibitor (serpin) protein (SERPINE1). Serpine1 is mainly produced by the endothelium, but is also secreted by other tissue types, such as adipose tissue.
Form	Frozen Liquid
Concentration	< 0.1 ng/mL PAI1 Antigen.
Storage	Store at -70°C.
Official Symbol	Serpine1

GENE INFORMATION

Gene Name	Serpine1 serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1 [Rattus norvegicus]
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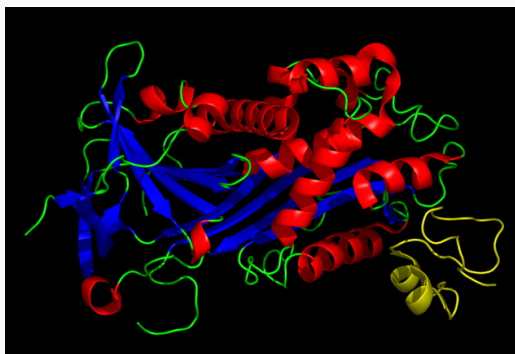
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Synonyms	Serpine1; serpinpeptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1; Pai1; PAI1A; Planh; Pai1aa; RATPAI1A; plasminogen activator inhibitor 1; PAI; PAI-1; serpin E1; endothelial plasminogen activator inhibitor; serine (or cysteine) proteinase inhibitor, member 1; serine (or cysteine) peptidase inhibitor, clade E, member 1; serine (or cysteine) proteinase inhibitor, clade E, member 1; serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1
Gene ID	24617
mRNA Refseq	NM_012620
Protein Refseq	NP_036752
Chromosome Location	12q11-q12
Pathway	Adipogenesis; BloodClotting Cascade; Chagas disease (American trypanosomiasis); Complement and Coagulation Cascades; Dissolution of Fibrin Clot; Hemostasis; Platelet activation; Platelet degranulation; Response to elevated platelet cytosolic Ca ²⁺ ; Senescence and Autophagy; TGF Beta Signaling Pathway; p53 pathway; p53 signaling pathway
Function	peptidase inhibitor activity; protease binding; receptor binding; contributes_to receptor binding; serine-type endopeptidase inhibitor activity

**PAI-1 incomplex with
the SMB domain of
Vitronectin PDB
1OC0**



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