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 Serpine1was expressed in Rat Plasma.
Species	Rat
Source	Rat Plasma
Description	Serpine1 is theprincipal 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 ismainlyproducedby the endothelium, but is also secreted by other tissue types, such asadiposetissue.
Form	Frozen Liquid
Concentration	< 0.1 ng/mL PAI1Antigen.
Storage	Store at-70°C.
OfficialSymbol	Serpine1

GENE INFORMATION

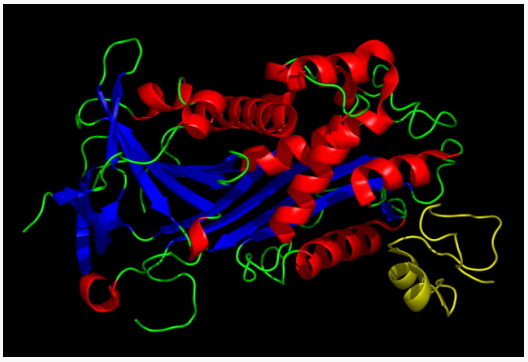
Gene Name	Serpine1 serpin peptidaseinhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1[Rattus norvegicus]

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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 (orcysteine) proteinase inhibitor, member 1; serine (or cysteine) peptidaseinhibitor, 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 andCoagulation Cascades; Dissolution of Fibrin Clot; Hemostasis; Plateletactivation; Platelet degranulation; Response to elevated platelet cytosolicCa2+; Senescence and Autophagy; TGF Beta Signaling Pathway; p53 pathway; p53signaling pathway
Function	peptidase inhibitoractivity; protease binding; receptor binding; contributes_to receptorbinding; serine-type endopeptidase inhibitor activity

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



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