

Recombinant Mouse Serpine (or cysteine) Peptidase Inhibitor, Clade E, Member 1

Cat. No. Serpine1-5319M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Serpine1 was expressed in E. coli (PAI-1) + Insect cell culture (tPA).
Species	Mouse
Source	E.coli
Description	Mouserecombinant Serpine1complexedto tPA. Mouse sc-tPA is reacted with an excess of mouse Serpine1 stablemutant at physiological pH. The resulting 1:1 molar complex is purified fromthe remaining Serpine1 by affinity chromatography with immobilizedantibodies to mouse tPA.
Form	Frozen liquid in0.4M HEPES + 0.1M NaCl, pH 7.4.
Purity	> 95% by SDS-PAGEanalysis.
Endotoxin Level	< 0.1 ng/μg ofprotein.
Concentration	1.0 mg/ml
Storage	Store at-80°C. Stable at -80°C for 1 year from delivery. Avoid repeated freeze-thaw cycles.
OfficialSymbol	Serpine1

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GENE INFORMATION

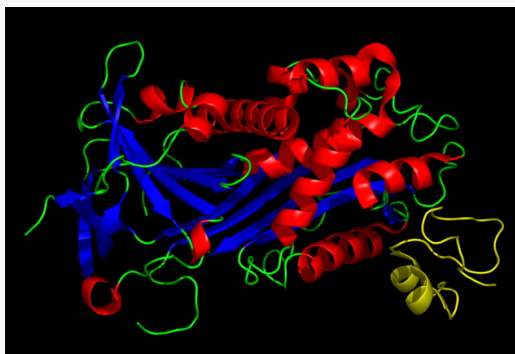
Gene Name	Serpine1 serine (or cysteine)peptidase inhibitor, clade E, member 1 [Mus musculus]
Synonyms	Serpine1; serine (orcysteine) peptidase inhibitor, clade E, member 1; PAI1; PAI-1; Planh1;plasminogen activator inhibitor 1; PAI; serpin E1; plasminogen activatorinhibitor, type I; endothelial plasminogen activator inhibitor; nexin,plasminogen activator inhibitor type 1; serine (or cysteine) proteinaseinhibitor, clade E, member 1; Plasminogen activator inhibitor-1 precursor(PAI-1) (Endothelial plasminogen activator inhibitor) (PAI)
Gene ID	18787
mRNA Refseq	NM_008871
Protein Refseq	NP_032897
UniProt ID	P22777
Chromosome Location	5 G2
Pathway	Adipogenesis; BloodClotting Cascade; Chagas disease (American trypanosomiasis); Complement andCoagulation Cascades; Complement and coagulation cascades; Senescence andAutophagy; TGF Beta Signaling Pathway; p53 signaling pathway
Function	protease binding;protein binding; serine-type endopeptidase inhibitor activity

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



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