Recombinant Rat PAI-1 wild type active fraction, His-tagged

Cat. No. Serpine1 -81R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The N-terminus of this wild type rat PAI-1 has been modified with the introduction of a 6-X histidine tag. The tag allows for the immobilization of functionally active PAI-1 onto surfaces such as metal chelate microtiter plates or Ni 2 resins. The purification conditions are gentle and result in an active fraction >99percent pure and >60percent active as determined by SDS PAGE.
Species	Rat
Source	E.coli
Form	Frozen liquid
Molecular Mass	43,000
Purity	>95% by SDS-PAGE analysis
Usage	For in vitro laboratory use only
Notes	Optimal experimental conditions and working dilutions must be determined by the end user. Sample concentration and volume are for example purposes only and do not necessarily represent the product that will be received. Please contact us for a current lot-specific product datasheet.
Storage	-70°C

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Concentration	0.5 mg/ml
Storage Buffer	0.05M Sodium Acetate; 0.1M NaCl; 1mM EDTA; pH 5.0
Shipping	Dry ice

GENE INFORMATION

Gene Name	Serpine1 serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1 [Rattus norvegicus]
Official Symbol	Serpine1
Synonyms	SERPINE1; serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1; 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; Pai1; PAI1A; Planh; Pai1aa; RATPAI1A;
Gene ID	24617
mRNA Refseq	NM_012620
Protein Refseq	NP_036752
UniProt ID	P20961
Chromosome Location	12q11-q12

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Pathway	Adipogenesis, organism-specific biosystem; Blood Clotting Cascade, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem;
Function	peptidase inhibitor activity; protease binding; protease binding; receptor binding; contributes_to receptor binding; serine-type endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

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