

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

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>Form</b>	Frozen liquid
<b>Molecular Mass</b>	43,000
<b>Purity</b>	>95% by SDS-PAGE analysis
<b>Usage</b>	For in vitro laboratory use only
<b>Notes</b>	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.
<b>Storage</b>	-70°C

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<b>Concentration</b>	0.5 mg/ml
<b>Storage Buffer</b>	0.05M Sodium Acetate; 0.1M NaCl; 1mM EDTA; pH 5.0
<b>Shipping</b>	Dry ice
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Serpine1 serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1 [ <i>Rattus norvegicus</i> ]
<b>Official Symbol</b>	Serpine1
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">24617</a>
<b>mRNA Refseq</b>	<a href="#">NM_012620</a>
<b>Protein Refseq</b>	<a href="#">NP_036752</a>
<b>UniProt ID</b>	<a href="#">P20961</a>
<b>Chromosome Location</b>	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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