

Recombinant Rat Serpine1, His-tagged

Cat. No. Serpine1-565R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the rat SERPINE1 (NP_036752.1) (Met1-Pro402) was expressed with a polyhistidine tag at the C-terminus.
Species	Rat
Source	Human Cells
ProteinLength	Met1-Pro402
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The recombinant rat SERPINE1 comprises 390 amino acids and predicts a molecular mass of 44.2 kDa. The apparent molecular mass of the recombinant protein is approximately 49 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.

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GENE INFORMATION

Gene Name	Serpine1 serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1 [<i>Rattus norvegicus</i>]
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
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;

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