

Active Recombinant Rat Serpine1 protein, hFc-tagged

Cat. No. Serpine1-564R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Serpine1 protein(NP_036752.1)(Met1-Pro402), fused with hFc tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met1-Pro402
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to inhibit uPA cleavage of a peptide substrate, N-carbobenzyl-xy-Gly-Gly-Arg-7-amido-4-methylcoumarin (Z-GGR-AMC). The IC ₅₀ value is < 10 nM.
Molecular Mass	The recombinant rat SERPINE1 comprises 620 amino acids and has a predicted molecular mass of 69.6 kDa. The apparent molecular mass of the protein is approximately 70 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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

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