

## Active Recombinant Rat Serpine1 protein, hFc-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Serpine1 protein(NP_036752.1)(Met1-Pro402), fused with hFc tag, was expressed in HEK293.                                                                                                                                                                            |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Met1-Pro402                                                                                                                                                                                                                                                                         |
| <b>Form</b>             | 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. |
| <b>Bio-activity</b>     | 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 <sub>50</sub> value is < 10 nM.                                                                                                   |
| <b>Molecular Mass</b>   | 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.                                                                    |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                                                      |
| <b>Purity</b>           | > 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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