

## Recombinant Full Length Human SERPINE1, His tagged

Cat. No. SERPINE1-3158H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SERPINE1(NP_000593.1) (Met 1-Pro 402) was expressed in HEK293 with a C-terminal polyhistidine tag.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-402 a.a.
<b>Form</b>	Lyophilized from sterile 50mM NaAc, 0.1M NaCl, pH 5.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<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 IC50 value is < 60 n M.
<b>Molecular Mass</b>	The mature recombinant human SerpinE1 consists of 390 amino acids and predicts a molecular mass of 44.2 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhSerpinE1 is approximately 45 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 97 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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 [ Homo sapiens ]

**Official Symbol** SERPINE1

**Synonyms** SERPINE1; serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1; PAI1, PLANH1, serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1; plasminogen activator inhibitor 1; PAI; plasminogen activator inhibitor; type I; serpin E1; endothelial plasminogen activator inhibitor; serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1; PAI1; PAI-1; PLANH1;

**Gene ID** 5054

**mRNA Refseq** NM\_000602

**Protein Refseq** NP\_000593

**MIM** 173360

**UniProt ID** P05121

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA