

Recombinant Full Length Human SERPINE1, His tagged

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

SPECIFICATION

Product Overview	Recombinant Human SERPINE1(NP_000593.1) (Met 1-Pro 402) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	1-402 a.a.
Form	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.
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 < 60 nM.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 97 % 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 [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

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