

Recombinant Rabbit Serpin Peptidase Inhibitor, Clade E (nexin, plasminogen activator inhibitor type 1), Member 1

Cat. No. SERPINE1-1866R Lot. No. (See product label)

SPECIFICATION

Product Overview	This stable mutant of rabbit SERPINE1 contains a single conservative mutation (Isoleucine 91 to Leucine) that yields PAI-1 with an enhanced half-life as compared to the wild type.
Species	Rabbit
Source	E.coli
Description	SERPINE1 is a protein that in humans is encoded by the SERPINE1 gene. SERPINE1 is a serine protease inhibitor (serpin) that functions as the principal inhibitor of tissue plasminogen activator (tPA) and urokinase (uPA), the activators of plasminogen and hence fibrinolysis (the physiological breakdown of blood clots). It is a serine protease inhibitor (serpin) protein (SERPINE1).
Concentration	2.5mg/ml
Form	Liquid in 0.05 M Sodium Acetate + 0.1M NaCl + 1mM EDTA, pH 5.0.
Purity	>95% by SDS-PAGE.
Molecular Weight	43 kDa
Endotoxin Level	<0.1 ng/μg of protein.

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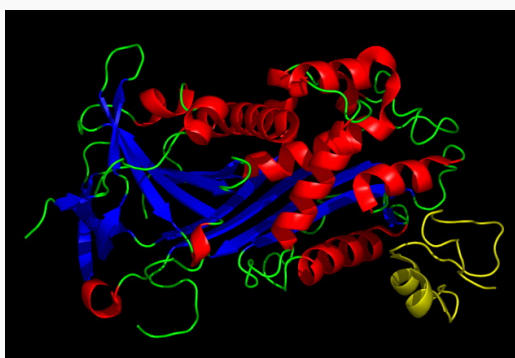
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Specific Activity	80%active by titration with tPA.
Storage	Storeat -80°C. Stable for 3years from delivery. For long term use, divide into working aliquots andfreeze at -80°C. Avoid repeatedfreeze-thaw cycles.
OfficialSymbol	SERPINE1

GENE INFORMATION

Gene Name	SERPINE1 serpin peptidaseinhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1[<i>Oryctolagus cuniculus</i>]
Synonyms	SERPINE1; serpinpeptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1),member 1; putative plasminogen activator inhibitor-1
Gene ID	100009588
mRNA Refseq	XM_002722823
Protein Refseq	XP_002722869

PAI-1 in complexwith
the SMB domain of
Vitronectin PDB
1OC0



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