

Native Rat Serpin Peptidase Inhibitor, Clade C (antithrombin), Member 1

Cat. No. Serpinc1-5483R Lot. No. (See product label)

SPECIFICATION

Product Overview	NativeRat Serpinc1 was expressed in RatPlasma.
Species	Rat
Source	Rat Plasma
Description	Serpinc1 is a small protein that inactivates several enzymes of the Coagulation Cascade. Serpinc1 is a glycoprotein produced by the liver and consists of 432aa. It contains three disulfide bonds and a total of four possible glycosylation sites. AT3 includes two functional domains: the heparin binding-domain at the N-terminus of the mature protein, and the reactive site domain at the C-terminus. The inhibitory activity is enhanced by the presence of heparin.
Form	Frozen Liquid in 0.05 M Sodium Phosphate + 0.1 M NaCl + 1 mM EDTA pH 7.4.
Purity	Several chromatographic steps.
Storage	Store at -70°C.
Concentration	5.0 mg/mL.

GENE INFORMATION

Gene Name	Serpinc1 serpin peptidase inhibitor, clade C (antithrombin), member 1 [Rattus
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	norvegicus]
Official Symbol	Serpinc1
Synonyms	SERPINC1; serpin peptidase inhibitor, clade C (antithrombin), member 1; antithrombin-III; antithrombin III; serine (or cysteine) peptidase inhibitor, clade C (antithrombin), member 1; serine (or cysteine) proteinase inhibitor, clade C (antithrombin), memb
Gene ID	304917
mRNA Refseq	NM_001012027
Protein Refseq	NP_001012027
Pathway	Common Pathway, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Formation of Fibrin Clot (Clotting Cascade), organism-specific biosystem; Hemostasis, organism-specific biosystem;
Function	heparin binding; protease binding; protease binding; protein binding; serine-type endopeptidase inhibitor activity;