

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

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

## SPECIFICATION

<b>Product Overview</b>	NativeRat Serpinc1 was expressed in RatPlasma.
<b>Species</b>	Rat
<b>Source</b>	Rat Plasma
<b>Description</b>	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.
<b>Form</b>	Frozen Liquid in 0.05 M Sodium Phosphate + 0.1 M NaCl + 1 mM EDTA pH 7.4.
<b>Purity</b>	Several chromatographic steps.
<b>Storage</b>	Store at -70°C.
<b>Concentration</b>	5.0 mg/mL.

## GENE INFORMATION

<b>Gene Name</b>	Serpinc1 serpin peptidase inhibitor, clade C (antithrombin), member 1 [ Rattus
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	<a href="#">norvegicus ]</a>
<b>Official Symbol</b>	Serpinc1
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">304917</a>
<b>mRNA Refseq</b>	<a href="#">NM_001012027</a>
<b>Protein Refseq</b>	<a href="#">NP_001012027</a>
<b>Pathway</b>	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;
<b>Function</b>	heparin binding; protease binding; protease binding; protein binding; serine-type endopeptidase inhibitor activity;

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