Native Mouse Serpin (or cysteine) Peptidase Inhibitor, Clade C (antithrombin), Member 1

Cat. No. Serpinc1-5485M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NativeMouse Serpinc1 was expressed in MousePlasma.
Species	Mouse
Source	Mouse Plasma
Description	Serpinc1 is a smallprotein that inactivates several enzymes of the Coagulation Cascade. Serpinc1is a glycoprotein produced by the liver and consists of 432aa. It containsthree disulfide bonds and a total of four possible glycosylation sites.Serpinc1 includes two functional domains: the heparin binding-domain at theN-terminus of the mature protein, and the reactive site domain at theC-terminus. The inhibitory activity is enhanced by the presence of heparin.
Form	Frozen Liquid in0.05 M Sodium Phosphate+0.1 M NaCl+1 mM EDTA pH 7.4.
Molecular Mass	58.2kDa
Purity	Severalchromatographic steps.
Storage	Store at -70°C.
Concentration	5.0 mg/mL.

GENE INFORMATION

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Gene Name	Serpinc1 serine (or cysteine) peptidase inhibitor, clade C (antithrombin), member 1 [Mus musculus]
Official Symbol	Serpinc1
Synonyms	SERPINC1; serine (or cysteine) peptidase inhibitor, clade C (antithrombin), member 1; antithrombin-III; serpin C1; antithrombin; anti-thrombin 3; serpin peptidase inhibitor, clade C, member 1; serine (or cysteine) proteinase inhibitor, clade C (antithromb
Gene ID	11905
mRNA Refseq	NM_080844
Protein Refseq	NP_543120
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; peptidase inhibitor activity; protease binding; serine-type endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

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