

# Recombinant Full Length Human SERPINC1 Protein, Flag-tagged

Cat. No. SERPINC1-1004H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human SERPINC1 protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>The protein encoded by this gene is a plasma protease inhibitor and a member of the serpin superfamily. This protein inhibits thrombin as well as other activated serine proteases of the coagulation system, and it regulates the blood coagulation cascade. The protein 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. More than 120 mutations have been identified for this gene, many of which are known to cause antithrombin-III deficiency. [provided by RefSeq, Jul 2009]</p>
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
<b>Molecular Mass</b>	49 kDa
<b>Purity</b>	>50 ug/mL as determined by microplate BCA method
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

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## GENE INFORMATION

<b>Gene Name</b>	SERPINC1 serpin peptidase inhibitor, clade C (antithrombin), member 1 [ Homo sapiens ]
<b>Official Symbol</b>	SERPINC1
<b>Synonyms</b>	AT3; AT3D; ATIII; THPH7
<b>Gene ID</b>	462
<b>mRNA Refseq</b>	NM_000488
<b>Protein Refseq</b>	NP_000479
<b>MIM</b>	107300
<b>UniProt ID</b>	P01008

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