

SERPINC1 (Human) Native Protein

Catalog # P4952

Size 1 mg

Specification

Product Description	Human SERPINC1 native protein from human plasma.
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Host	Human
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Theoretical MW (kDa)	58
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Form	Liquid
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Preparation Method	Native protein purified from human plasma
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Purification	Multi-step chromatography
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Concentration	8.3 mg/mL
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Purity	> 98% by SDS-PAGE
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Storage Buffer	In 0.05 M Tris-HCl, 0.1 M NaCl, pH 7.4
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Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
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Applications

- SDS-PAGE

Gene Info — SERPINC1

Entrez GeneID	462
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Gene Name	SERPINC1
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Gene Alias	AT3, ATIII, MGC22579
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Gene Description	serpin peptidase inhibitor, clade C (antithrombin), member 1
Omim ID	107300
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	OTTHUMP00000035393 antithrombin (aa 375-432) antithrombin III coding sequence signal peptide antithrombin part 1 serine (or cysteine) proteinase inhibitor, clade C (antithrombin), member 1 signal peptide antithrombin part 1

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Abortion](#)
- [Alzheimer disease](#)
- [Antithrombin III Deficiency](#)
- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Coronary Thrombosis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)

- [Glioblastoma](#)
- [Glioma](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Thrombophilia](#)
- [Venous Thrombosis](#)