

SERPINC1 (Human) ELISA Kit

Catalog # KA1836

Size 1 Kit

Specification

Product Description	SERPINC1 (Human) ELISA Kit is a competitive enzyme immunoassay for the quantitative measurement of human SERPINC1.
Suitable Sample	Plasma, Serum
Sample Volume	25 μ L
Label	Peroxidase-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0.063 to 4 μ g/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store components of the kit at 4°C or -20°C as described in the protocol.

Applications

- Quantification

Gene Info — SERPINC1

Entrez GeneID	462
Gene Name	SERPINC1
Gene Alias	AT3, ATIII, MGC22579

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

Publication Reference

- [Quantitative proteomic analysis exploring progression of colorectal cancer: Modulation of the serpin family.](#)

Peltier J, Roperch JP, Audebert S, Borg JP, Camoin L.

Journal of Proteomics 2016 Oct; 148:139.

Application: ELISA, Human, Serum

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](#)