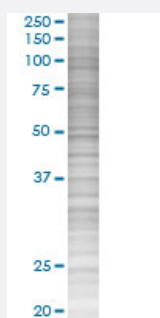


SERPINC1 293T Cell Transient Overexpression Lysate(Denatured)

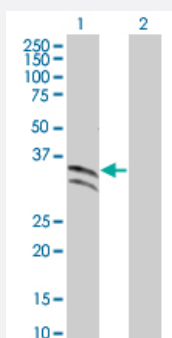
Catalog # H00000462-T01 Size 100 uL

Applications



SDS-PAGE Gel

SERPINC1 transfected lysate.



Western Blot

Lane 1: SERPINC1 transfected lysate (28.6 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-SERPINC1 full-length
Host	Human
Theoretical MW (kDa)	28.6

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-SERPINC1 antibody ([H00000462-B01](#)) by Western Blots.
 SDS-PAGE Gel
 SERPINC1 transfected lysate.
 Western Blot
 Lane 1: SERPINC1 transfected lysate (28.6 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — SERPINC1

Entrez GeneID

[462](#)

GeneBank Accession#

[BC022309.1](#)

Protein Accession#

-

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

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](#)