

## ARG81626 Human SERPING1 / C1 Inhibitor ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81626-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81626-002	Standard	2 X 10 ng/vial	4°C
ARG81626-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81626-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81626-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81626-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81626-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81626-008	25X Wash buffer	20 ml	4°C
ARG81626-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81626-010	STOP solution	10 ml (Ready to use)	4°C
ARG81626-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81626 Human SERPING1 / C1 Inhibitor ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human SERPING1 / C1 Inhibitor in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	SERPING1 / C1 Inhibitor
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.7% Inter-Assay CV: 6.8%
Alternate Names	C1IN; C1INH; C1-inhibiting factor; Serpin G1; C1 esterase inhibitor; Plasma protease C1 inhibitor; C1 Inh; HAE2; C1Inh; C1NH; HAE1

## Application Instructions

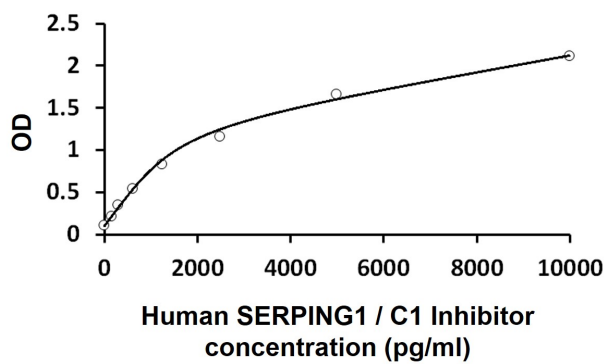
Assay Time	~ 5 hours
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## Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	SERPING1
Gene Full Name	serpin peptidase inhibitor, clade G (C1 inhibitor), member 1
Background	This gene encodes a highly glycosylated plasma protein involved in the regulation of the complement cascade. Its protein inhibits activated C1r and C1s of the first complement component and thus regulates complement activation. Deficiency of this protein is associated with hereditary angioneurotic oedema (HANE). Alternative splicing results in multiple transcript variants encoding the same isoform. [provided by RefSeq, Jul 2008]
Function	Activation of the C1 complex is under control of the C1-inhibitor. It forms a proteolytically inactive stoichiometric complex with the C1r or C1s proteases. May play a potentially crucial role in regulating important physiological pathways including complement activation, blood coagulation, fibrinolysis and the generation of kinins. Very efficient inhibitor of FXIIa. Inhibits chymotrypsin and kallikrein. [UniProt]
Highlight	Related products: <a href="#">Serpins antibodies</a> ; <a href="#">Serpins ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	Highly glycosylated (49%) with N- and O-glycosylation. O-glycosylated with core 1 or possibly core 8 glycans. N-glycan heterogeneity at Asn-25: Hex5HexNAc4 (minor), dHex1Hex5HexNAc4 (minor), Hex6HexNAc5 (major) and dHex1Hex6HexNAc5 (minor).  Can be proteolytically cleaved by E.coli stcE. [UniProt]



ARG81626 Human SERPING1 / C1 Inhibitor ELISA Kit standard curve image

ARG81626 Human SERPING1 / C1 Inhibitor ELISA Kit results of a typical standard run with optical density reading at 450 nm.