

## Recombinant Human SERPING1 Protein, His-tagged

Cat. No. SERPING1-924H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SERPING1(Asn23-Ala500), transcript variant 1, fused with His tag at N-terminal was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	23-500 a.a.
<b>Description</b>	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.
<b>Form</b>	Lyophilized from a 0.2 M filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0. Stable for at least 6 months from date of receipt under proper storage and handling conditions.
<b>Molecular Mass</b>	53.9 kDa
<b>Endotoxin</b>	< 0.1 EU per g protein as determined by LAL test
<b>Purity</b>	>95% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Concentration** Resuspend the protein to the desired concentration in proper buffer.

## GENE INFORMATION

**Gene Name** SERPING1 serpin peptidase inhibitor, clade G (C1 inhibitor), member 1 [ Homo sapiens ]

**Official Symbol** SERPING1

**Synonyms** SERPING1; serpin peptidase inhibitor, clade G (C1 inhibitor), member 1; C1NH, serine (or cysteine) proteinase inhibitor, clade G (C1 inhibitor), member 1, (angioedema, hereditary); plasma protease C1 inhibitor; angioedema; hereditary; C1 INH; C1IN; HAE1; HAE2; serpin G1; C1-inhibiting factor; C1 esterase inhibitor; complement component 1 inhibitor; serine/cysteine proteinase inhibitor clade G member 1; C1NH; C1INH;

**Gene ID** 710

**mRNA Refseq** NM\_000062

**Protein Refseq** NP\_000053

**MIM** 606860

**UniProt ID** P05155

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