

## Recombinant Human SERPING1 Protein (Pro399-Ala500), His tagged

**Cat. No.** SERPING1-5140H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human SERPING1 (Pro399-Ala500) fused with His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | Pro399-Ala500                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Lyophilized powder/frozen liquid                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 13.55 kDa                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Notes</b>            | For research use only.                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage</b>          | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8                                                                                                                                                                                                                                                                                                                                     |

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centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.

**Storage Buffer** Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.

**Reconstitution** Reconstitute in sterile water for a stock solution.

**Shipping** They are shipped out with dry ice/blue ice unless customers require otherwise.

## GENE INFORMATION

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

**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

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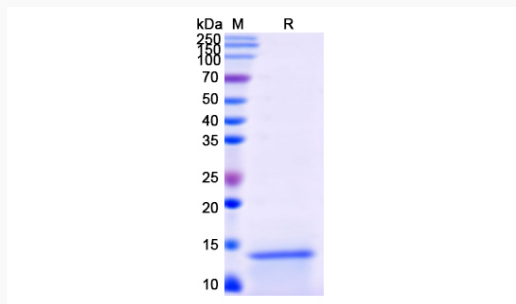
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UniProt ID

P05155

SDS-PAGE



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