

## Active Recombinant Human SERPINC1 protein, His-tagged

Cat. No. SERPINC1-2665H Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SerpinC1/AntithrombinIII/ATIII Protein is produced by HEK293 expression system. The target protein is expressed with sequence (His33-Lys464) of human SerpinC1/AntithrombinIII/ATIII (Accession #NP_000479.1) fused with a 6×His tag at the C-terminus. |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | His33-Lys464                                                                                                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.                                                                                                                                                                                                              |
| <b>Bio-activity</b>     | Measured by its ability to inhibit Recombinant Human Coagulation Factor II/Thrombin cleavage of a fluorogenic peptide substrate Boc-VPR-AMC. The IC50 value is <0.48 nM.                                                                                                  |
| <b>Molecular Mass</b>   | 55-65 kDa                                                                                                                                                                                                                                                                 |
| <b>Endotoxin</b>        | < 0.1 EU/µg of the protein by LAL method.                                                                                                                                                                                                                                 |
| <b>Purity</b>           | > 95% by SDS-PAGE.                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Store the lyophilized protein at -20°C to -80 °C for long term.<br>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for                                                                                                             |

 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

up to 1 week.

**Reconstitution** Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## GENE INFORMATION

**Gene Name** SERPINC1 serpin peptidase inhibitor, clade C (antithrombin), member 1 [ Homo sapiens ]

**Official Symbol** SERPINC1

**Synonyms** SERPINC1; serpin peptidase inhibitor, clade C (antithrombin), member 1; AT3, serine (or cysteine) proteinase inhibitor, clade C (antithrombin), member 1; antithrombin-III; antithrombin (aa 375 432); antithrombin III; ATIII; coding sequence signal peptide antithrombin part 1; MGC22579; signal peptide antithrombin part 1; serpin C1; serine-cysteine proteinase inhibitor clade C member 1; serine (or cysteine) proteinase inhibitor, clade C (antithrombin), member 1; AT3; AT3D; THPH7;

**Gene ID** 462

**mRNA Refseq** NM\_000488

**Protein Refseq** NP\_000479

**MIM** 107300

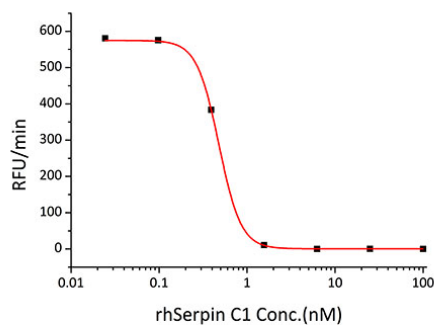
**UniProt ID** P01008

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## Bio-activity



## SDS-PAGE

