

Active Recombinant Full Length Human SERPING1 protein, His-tagged

Cat. No. SERPING1-2344H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Full Length Human SERPING1 protein(NP_000053.2)(Met 1-Ala 500) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-500 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to inhibit recombinant human complement component C1s cleavage of a colorimetric peptide substrate, N-carbobenzyloxy-Lys-ThioBenzyl ester (Z-K-SBzl). The IC50 is < 3 nM.
Molecular Mass	The secreted recombinant human SERPING1 consists of 489 amino acids and predicts a molecular mass of 54.3 kDa. In SDS-PAGE under reducing conditions, it migrates with the apparent molecular mass of 110 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

protein Refseq-Weblink

http://www.ncbi.nlm.nih.gov/protein/NP_000053.2

Unit ID

P05155

Unit ID-Weblink

<http://www.uniprot.org/uniprot/P05155>

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 cysproteine) 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/cysproteine proteinase inhibitor clade G member 1; C1NH; C1INH;

Gene ID

[710](#)

mRNA Refseq

[NM_000062](#)

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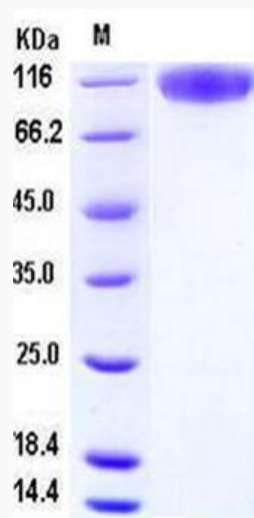
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protein Refseq NP_000053

MIM 606860

SDS-PAGE



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