

Active Recombinant Full Length Human SERPINC1, His tagged

Cat. No. SERPINC1-856H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Full Length Human SERPINC1(NP_000479.1) (Met 1-Lys 464) was expressed in Human Cells with a C-terminal polyhistidine tag.
Species	Human
Source	Human Cells
ProteinLength	1-464 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to inhibit thrombin cleavage of a fluorogenic peptide substrate Boc-VPR-AMC. The IC50 value is < 5 nM.
Molecular Mass	The recombinant human SerpinC1 consists of 443 amino acids and has a predicted molecular mass of 50.5 kDa. In SDS-PAGE, the apparent molecular mass of rhSerpinC1 is approximately 55-60 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 aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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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.

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

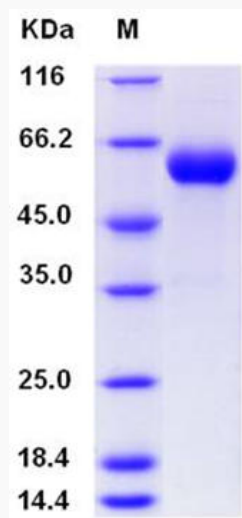
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SDS-PAGE



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