

For Research Use Only

Recombinant Human SERPINC1 protein (rFc Tag)



Catalog Number: Eg3100

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human SERPINC1 protein His33-Lys464 (Accession# P01008) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
462

Accession:
P01008

Predicted Molecular Mass:
74.6 kDa

SDS-PAGE:
70-98 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

SERPINC1, also named Antithrombin III or Antithrombin, is a plasma protease inhibitor and a member of the serpin superfamily. This protein inhibits thrombin as well as other activated serine proteases of the coagulation system, and it regulates the blood coagulation cascade. More than 120 mutations have been identified for this gene, many of which are known to cause antithrombin-III deficiency.

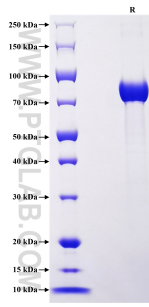
References

- 1.Lu, Zeyuan et al. Clinical science.vol. 131,9 (2017).
- 2.Mulder, René et al. British journal of haematology vol. 178,2 (2017): 279-285.
- 3.Wang, Feng et al. Kidney international vol. 88,4 (2015): 796-803.

Synonyms

Antithrombin III, Serpin C1, SERPINC1, Antithrombin-III, AT3

Selected Validation Data



Purity of Recombinant Human SERPINC1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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