

## Recombinant Rabbit Alpha-2-Plasmin Inhibitor, N-His

**Cat. No.:** AP4C425

**Product Type:** Animal Proteins

**Size:** 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

### Product Overview

BioVenic's Recombinant Rabbit Alpha-2-Plasmin Inhibitor, N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 57.7 kDa. The purity is > 95%.

### Specifications

Type	Recombinant Protein
Species	Oryctolagus cuniculus (Rabbit)
Expression System	<i>E.coli</i>
Purity	> 95%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	57.7 kDa
Physical State	Lyophilized
Formulation	20 mM Tris, 150 mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

### Target Information

Rabbit Alpha-2-Plasmin Inhibitor (a2PI) is a significant protein that acts as a major inhibitor of plasmin, an enzyme responsible for degrading fibrin and various other proteins. This protein plays a crucial role in regulating the blood clotting pathway, ensuring that blood clots are stable and preventing excessive fibrinolysis. In medical research, understanding the function of a2PI is vital for studying conditions related to blood clotting and fibrinolysis. For example, mutations in the gene encoding this protein can lead to disorders associated with abnormal blood clotting. Additionally, a2PI has applications in research related to thrombosis and hemostasis, where it helps in elucidating the mechanisms of blood clot formation and dissolution. Its role in maintaining the balance between clotting and fibrinolysis makes it an important target for therapeutic interventions aimed at treating or preventing thrombotic disorders.

Protein	Rabbit Alpha-2-Plasmin Inhibitor
Protein Synonym	Alpha-2-plasmin inhibitor
EC No.	<a href="#">Q45GR2</a>

## Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

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## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 20 mM Tris, 150 mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.