

## Recombinant Porcine Plasminogen Activator Inhibitor 1 (SERPINE1), N-His

Cat. No.: AP9F36

Product Type: Animal Proteins

Size: 50 µg; 100 µg; 1 mg

### Product Overview

BioVenic's Recombinant Porcine Plasminogen Activator Inhibitor 1 (SERPINE1), N-His is a recombinant protein expressed from *E. coli*. Its predicted molecular weight is 43 kDa. The purity is >90% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Swine
Expression System	<i>E. coli</i>
Purity	>90% (SDS-PAGE)
Predicted Molecular Weight	43 kDa
Physical State	Lyophilized
Formulation	10 mM Hepes, 500 mM NaCl with 5% trehalose, pH 7.4.

### Target Information

Serpin family E member 1, also known as plasminogen activator inhibitor 1, is encoded by the *SERPINE1* gene in pigs. Research showed that the expression of CD44 and PAI-1 (encoded by *SERPINE1*) was increased in the intestines of piglets during viral infection.

Protein	Porcine Plasminogen Activator Inhibitor 1 (SERPINE1)
Protein Synonym	serpin family E member 1, PAI1, PLANH1, plasminogen activator inhibitor 1, PAI, PAI-1, endothelial plasminogen activator inhibitor, plasminogen activator inhibitor I, serpin E1
Gene ID	<a href="#">396945</a>
UniProt ID	<a href="#">P79335</a>

### Shipping and Storage

This product is shipped with dry ice. Avoid repeated freezing and thawing. Store at -20°C or -80°C.

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## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in sterile distilled water or other buffer to a concentration of 0.1-1 mg/mL. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

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## Reference

Li, Y. *et al.* Role of intestinal extracellular matrix-related signaling in porcine epidemic diarrhea virus infection. *Virulence*. 2021, 12: 2352-2365.

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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.