

Recombinant Mouse Protein Z-Dependent Protease Inhibitor (Serpina10), N-His-GST

Cat. No.: AP4C887

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Mouse Protein Z-Dependent Protease Inhibitor (Serpina10), N-His-GST is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 81.8 kDa. The purity is > 95%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	<i>E.coli</i>
Purity	> 95%
Endotoxin	<1.0 EU per 1µg (determined by the LAL method)
Predicted Molecular Weight	81.8 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

Target Information

Mouse Protein Z-Dependent Protease Inhibitor (Serpina10), also known as ZPI, is a serine protease inhibitor that plays a crucial role in regulating blood coagulation. It specifically inhibits activated coagulation factors Xa and XIa, with the inhibition of factor Xa requiring the presence of Protein Z (PZ), a vitamin K-dependent plasma protein. In mouse models, knockout of the Serpina10 gene results in enhanced thrombotic responses, highlighting its importance in preventing excessive clotting.

Protein	Mouse Protein Z-Dependent Protease Inhibitor (Serpina10)
Protein Synonym	PZ-dependent protease inhibitor; PZI; Serpin A10; Serpina10; Zpi
Gene ID	217847
EC No.	Q8R121

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.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in PBS or others. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

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.