

Recombinant Mouse Coagulation Factor X (F10), C-His

Cat. No.: AP2C650

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 500 µg; 1 mg

Product Overview

BioVenic's Recombinant Mouse Coagulation Factor X (F10), C-His is a recombinant protein expressed from Human Cells. Its predicted molecular weight is 54.0 kDa. The purity is >90%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	Human Cells
Purity	>90%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	54.0 kDa
Physical State	Lyophilized
Formulation	0.01 mol/L PBS (pH 7.2) containing 0.2% (w/v) Procline-300.

Target Information

Mouse Coagulation Factor X (F10) is a vitamin K-dependent glycoprotein that plays a crucial role in the coagulation cascade. It is synthesized in the liver and circulates in the plasma as an inactive zymogen. Upon activation, factor X is converted to its active form, factor Xa, which catalyzes the conversion of prothrombin to thrombin. This process is essential for the formation of blood clots and the prevention of excessive bleeding. In addition to its role in hemostasis, factor X has been implicated in various pathological conditions, including thrombosis and inflammation.

Protein	Mouse Coagulation Factor X (F10)
Protein Synonym	Stuart factor; F10
Gene ID	14058
UniProt ID	O88947

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -20°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. 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.