

Recombinant Feline Coagulation Factor IX (F9)

Cat. No.: AP2C176

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Feline Coagulation Factor IX (F9) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 52.3 kDa. The purity is >85% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Feline
Expression System	<i>E.coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	52.3 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 6% Trehalose.

Target Information

In felines, coagulation factor IX (F9) is a vitamin K-dependent plasma protein involved in the intrinsic coagulation pathway. It converts factor X to its active form in the presence of Ca²⁺ ions, phospholipids, and factor VIIIa, facilitating blood clotting. Synthesized in the liver, F9 circulates as an inactive zymogen and is activated by factor XIa or factor VIIa to participate in the coagulation cascade. Deficiencies or abnormalities in F9 can lead to hemophilia B, an X-linked bleeding disorder.

Protein	Feline Coagulation Factor IX (F9)
Protein Synonym	Christmas factor; F9
Gene ID	493973
UniProt ID	Q6SA95

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.