

Recombinant Canine Beta-2-Glycoprotein 1 (APOH)

Cat. No.: AP1C52

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Canine Beta-2-Glycoprotein 1 (APOH) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 40.1 kDa. The purity is >95% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Canine
Expression System	<i>E.coli</i>
Purity	>95% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	40.1 kDa
Molecular Weight	40.08 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Target Information

Canine Beta-2-glycoprotein 1 (β2GPI) is a plasma protein that plays a role in immune regulation and blood clotting. It is unique in its ability to both up and down regulate the complement and coagulation systems, which is crucial for maintaining homeostasis. β2GPI is also the primary antigen in antiphospholipid syndrome (APS), an autoimmune condition characterized by thrombosis and pregnancy complications. In dogs, β2GPI may have similar roles in immune response and hemostasis.

Protein	Canine Beta-2-Glycoprotein 1 (APOH)
Protein Synonym	Apo-H; B2G1; BG; B2-GP1; B2GP1; Autoantigen β2 GP I; Previously; Beta 2 Glycoprotein 1; APC inhibitor; Activated protein C-binding protein; Anticardiolipin cofactor; Beta-2-GPI
Gene ID	403945

Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at < -80°C for 12 months.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquote the reconstituted solution to minimise 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.