

Recombinant Canine Platelet-Activating Factor Acetylhydrolase (PLA2G7)

Cat. No.: AP1C54

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Canine Platelet-Activating Factor Acetylhydrolase (PLA2G7) is a recombinant protein expressed from *E. coli*. Its predicted molecular weight is 50.0 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	50.0 kDa
Molecular Weight	N/A
Physical State	Lyophilized
Formulation	The buffer before lyophilization is PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Target Information

Platelet-activating factor (PAF) in canines is a potent lipid mediator that plays a significant role in immune response, inflammation, and platelet aggregation. It is involved in the activation of neutrophils, leading to increased calcium concentration and oxygen radical generation, which are crucial for the innate immune response against bacteria and other microorganisms. PAF also mediates the aggregation of platelets, which is an essential aspect of hemostasis and inflammation. Its activation of platelets suggests a close link between hemostasis and neutrophil activation in dogs, providing insight into their response to infection.

Protein	Canine Platelet-Activating Factor Acetylhydrolase (PLA2G7)
Protein Synonym	PLA2G7; PAF-AH; PAFAH; Lp-PLA2; LDL-PLA2; Platelet Activating Factor Acetylhydrolase; Plasma; Phospholipase A2; Group VII; LDL-associated phospholipase A2; Phospholipase A2; Lipoprotein Associated

Gene ID [478174](#)

UniProt ID [Q28262](#)

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.