

## Recombinant Canine Caveolin-1 (CAV1), N-His

Cat. No.: AP1C53

Product Type: Animal Proteins

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

### Product Overview

BioVenic's Recombinant Canine Caveolin-1 (CAV1), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is N/A. The purity is >97% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Canine
Expression System	<i>E.coli</i>
Purity	>97% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted 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

Canine caveolin 1 (Cav-1) is integral to the formation of caveolae, small plasma membrane invaginations rich in cholesterol and glycosphingolipids, which are crucial for various cellular functions including signal transduction, endocytosis, transcytosis, mechanoprotection, cellular metabolism, and lipid homeostasis. In dogs, Cav-1 plays a significant role in regulating these cellular processes, which are vital for maintaining cellular health and function.

Protein	Canine Caveolin-1 (CAV1)
Protein Synonym	VIP21; Caveolae Protein 22kDa
Gene ID	<a href="#">403980</a>
UniProt ID	<a href="#">P33724</a>

### Shipping and Storage

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

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## 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.

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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.