

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

Cat. No.: AP1C352

Product Type: Animal Proteins

Size: 50 µg; 100 µg; 200 µg; 1 mg; 5 mg

### Product Overview

BioVenic's Recombinant Chicken Caveolin-1 (CAV1), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 20.4 kDa. The purity is >90% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Chicken
Expression System	<i>E.coli</i>
Purity	>90% (SDS-PAGE)
Predicted Molecular Weight	20.4 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is PBS, pH 7.4, containing 0.01% Sarcosyl, 1 mM DTT, 5% Trehalose and Proclin-300.

### Target Information

In chickens, caveolin-1 (CAV1) is an important membrane-associated scaffolding protein involved in various cellular processes. CAV1 plays a key role in the formation of plasma membrane invaginations called caveolae, which participate in signaling, endocytosis, and cholesterol trafficking. CAV1 is involved in stem cell differentiation, proliferation, and cell death pathways, which are implicated in tumor growth and metastasis. Additionally, CAV1 has tissue-specific functions, such as in adipose, lung, pancreatic, and vascular tissues, and in maintaining epithelial barrier integrity. In both the intestinal and blood-brain barriers, CAV1 interacts with tight junction complexes, affecting barrier integrity and the cellular localization of CAV1.

Protein	Chicken Caveolin-1 (CAV1)
Protein Synonym	Caveolin-1
Gene ID	<a href="#">373996</a>
UniProt ID	<a href="#">P35431</a>

## 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. Avoid repeated freezing and thawing.

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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.