

Recombinant Chicken Calmodulin (CALM), N-His

Cat. No.: AP1C338

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Chicken Calmodulin (CALM), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 18.1 kDa. The purity is >95% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Chicken
Expression System	<i>E.coli</i>
Purity	>95% (SDS-PAGE)
Predicted Molecular Weight	18.1 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, calmodulin (CALM) is an important calcium-binding protein involved in various intracellular signaling processes. It regulates the activity of multiple enzymes and the balance of intracellular calcium by binding to calcium ions, thereby affecting muscle contraction, nerve conduction, cell division, and other physiological functions. Additionally, calmodulin is involved in the assembly of the cytoskeleton and cell movement.

Protein	Chicken Calmodulin (CALM)
Protein Synonym	CaM
Gene ID	395855
UniProt ID	P62149

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 $< -80^{\circ}\text{C}$ for 19 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.