

Recombinant Chicken Complement C3,N-His

Cat. No.: AP1C364

Product Type: Animal Proteins

Size: 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Chicken Complement C3,N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 184.1 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	184.1 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

Chicken complement C3 serves as a pivotal protein within the complement system, a crucial aspect of the innate immune response. It participates in all three activation pathways of the complement cascade: the classical, alternative, and lectin pathways. Upon cleavage, C3 generates C3a and C3b, which play specific roles in mediating inflammation and clearing immune complexes. In chickens, C3 facilitates the opsonization of pathogens, enhancing their removal by phagocytic cells, and is instrumental in the assembly of the membrane attack complex, resulting in the lysis of targeted cells.

Protein	Chicken Complement C3
Gene ID	396370
UniProt ID	Q90633

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 12 months. Avoid repeated freezing and thawing.

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.