

Recombinant Chicken Interleukin-8 (CXCL8)

Cat. No.: AP9C643

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Chicken Interleukin-8 (CXCL8) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 9.4 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	9.4 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

Target Information

Chicken interleukin-8 (CXCL8) is a potent chemokine in chickens that plays a crucial role in the immune response, particularly in the recruitment and activation of neutrophils. This protein is secreted by various cell types in response to infection or tissue injury, functioning as a key mediator in inflammation. It is involved in the chemotactic guidance of neutrophils to sites of infection, where they can engulf and destroy pathogens. In veterinary medicine, understanding the role of CXCL8 is important for developing strategies to combat infections in poultry and for maintaining flock health.

Protein	Chicken Interleukin-8 (CXCL8)
Protein Synonym	9E3; C-X-C motif chemokine 8/CEF-4; Chemokine (C-X-C motif) ligand 8; Embryo fibroblast protein 1 (EMF-1)
Gene ID	396495
UniProt ID	P08317

Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquot 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. Aliquot 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.