

Recombinant Chicken Antimicrobial Peptide CHP1, N-His-KSI

Cat. No.: AP2C287

Product Type: Animal Proteins

Size: 10 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Chicken Antimicrobial Peptide CHP1, N-His-KSI is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 19.8 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	19.8 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 5%-50% glycerol.

Target Information

Chicken antimicrobial peptide CHP1 is an important component of the chicken immune system. It exhibits broad-spectrum antimicrobial activity against various pathogens, including bacteria, fungi, and viruses. CHP1 enhances the immune response by promoting the recruitment of immune cells and activating macrophages. It also helps in maintaining gut health by regulating the gut microbiota and reducing pathogen colonization. This peptide has potential applications in improving disease resistance and reducing the reliance on antibiotics in poultry production.

Protein	Chicken Antimicrobial Peptide CHP1
Protein Synonym	Lysozyme g
UniProt ID	P80389

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -20°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Aliquot the reconstituted solution to minimize 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.