

Recombinant Chicken Lysozyme C (LYZ)

Cat. No.: AP9C596

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Chicken Lysozyme C (LYZ) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 14.4 kDa. The purity is >85% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Chicken
Expression System	<i>E.coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	14.4 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

Target Information

Chicken lysozyme C is an enzyme found in the tears, saliva, and eggs of chickens, which plays a critical role in the innate immune system. It breaks down the cell walls of bacteria, causing lysis and thus providing a first line of defense against bacterial infections.

Protein	Chicken Lysozyme C (LYZ)
Protein Synonym	1,4-beta-N-acetylmuramidase C; Allergen Gal d IV; Gal d 4
Gene ID	396218/
UniProt ID	P00698

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°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.

Reference

Chiu, Hsien-Tang. *et al.* Direct purification of lysozyme from chicken egg white using weak acidic polyacrylonitrile nanofiber-based membranes. *Journal of Applied Polymer Science*. 2012. 125.S2: E616-E621.

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.