

Recombinant Chicken Protein-Lysine 6-Oxidase (LOX)

Cat. No.: AP2C372

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Chicken Protein-Lysine 6-Oxidase (LOX) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 48.2 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	48.2 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 5%-50% glycerol.

Target Information

Chicken protein-lysine 6-Oxidase (LOX) catalyzes collagen and elastin crosslinking, essential for extracellular matrix stability. In chickens, it strengthens connective tissues in skin, bones, and eggshell membranes, impacting skeletal integrity and egg quality. LOX activity influences wound healing and tissue repair. Research on chicken LOX aids in improving poultry skeletal health and developing biomaterials for veterinary applications.

Protein	Chicken Protein-Lysine 6-Oxidase (LOX)
Protein Synonym	Lysyl oxidase; LOX
Gene ID	396474
UniProt ID	Q05063

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. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. 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.