

Recombinant Chicken Glycine Dehydrogenase (decarboxylating), Mitochondrial (GLDC)

Cat. No.: AP2C464

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Chicken Glycine Dehydrogenase (decarboxylating), Mitochondrial (GLDC) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 111.9 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	111.9 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 5%-50% glycerol.

Target Information

Chicken Glycine Dehydrogenase (decarboxylating), Mitochondrial (GLDC) is a key enzyme in the glycine cleavage system, which is essential for glycine metabolism. It catalyzes the decarboxylation of glycine, producing CO₂ and transferring the aminomethyl group to the H protein. This process is crucial for energy production and maintaining amino acid balance in chickens.

Protein	Chicken Glycine Dehydrogenase (decarboxylating), Mitochondrial (GLDC)
Protein Synonym	Glycine cleavage system P protein; Glycine decarboxylase
Gene ID	396322
UniProt ID	P15505

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.