

Recombinant Chicken Hydroxymethylglutaryl-CoA Synthase, Cytoplasmic (HMGCS1)

Cat. No.: AP2C510

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Chicken Hydroxymethylglutaryl-CoA Synthase, Cytoplasmic (HMGCS1) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 57.6 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	57.6 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 5%-50% glycerol.

Target Information

Chicken Hydroxymethylglutaryl-CoA Synthase, Cytoplasmic (HMGCS1) catalyzes mevalonate synthesis, vital for cholesterol and isoprenoid production. In chickens, it's key for lipid metabolism and membrane integrity. Efficient HMGCS1 function ensures proper cell membrane structure and function. Researchers study HMGCS1 to enhance poultry lipid metabolism, improving meat quality and growth. Understanding HMGCS1 also aids in managing metabolic disorders related to lipid metabolism in chickens.

Protein	Chicken Hydroxymethylglutaryl-CoA Synthase, Cytoplasmic (HMGCS1)
Protein Synonym	3-hydroxy-3-methylglutaryl coenzyme A synthase; HMG-CoA synthase
Gene ID	396482
UniProt ID	P23228

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.