

Recombinant Rabbit Apolipoprotein A-I (APOA1), N-His

Cat. No.: AP4C434

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Rabbit Apolipoprotein A-I (APOA1), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 28.9 kDa. The purity is > 95%.

Specifications

Type	Recombinant Protein
Species	Oryctolagus cuniculus (Rabbit)
Expression System	<i>E.coli</i>
Purity	> 95%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	28.9 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Rabbit Apolipoprotein A-I (APOA1) is a major component of high-density lipoprotein (HDL) and plays a vital role in lipid metabolism and cardiovascular health. It acts as a cofactor for lecithin cholesterol acyltransferase (LCAT), facilitating the esterification of cholesterol and promoting reverse cholesterol transport. In rabbits, APOA1 has been shown to exert protective effects against fatty liver disease, likely through its antioxidant properties. Additionally, APOA1 has anti-inflammatory and anti-atherogenic properties, contributing to cardiovascular protection. These functions make APOA1 an important target for studying lipid disorders and cardiovascular diseases in rabbits.

Protein	Rabbit Apolipoprotein A-I (APOA1)
Protein Synonym	Apo-AI; ApoA-I; Apolipoprotein A1
Gene ID	100009253
EC No.	P09809

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°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. Reconstitute in 10 mM PBS (pH7.4) 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.