

Recombinant Mouse Carboxylesterase 1D (Ces1d), C-His

Cat. No.: AP2C645

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 500 µg; 1 mg

Product Overview

BioVenic's Recombinant Mouse Carboxylesterase 1D (Ces1d), C-His is a recombinant protein expressed from Human Cells. Its predicted molecular weight is 61.8 kDa. The purity is >90%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	Human Cells
Purity	>90%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	61.8 kDa
Physical State	Lyophilized
Formulation	0.01 mol/L PBS (pH 7.2) containing 0.2% (w/v) Procline-300.

Target Information

Mouse Carboxylesterase 1D (Ces1d) is an enzyme involved in the metabolism of various compounds, including drugs and toxins. It is expressed primarily in the liver and plays a role in the detoxification and biotransformation of xenobiotics. Ces1d catalyzes the hydrolysis of carboxylester bonds, facilitating the elimination of harmful substances from the body. Additionally, Ces1d has been implicated in the metabolism of dietary compounds and endogenous molecules. Research suggests that Ces1d may influence lipid metabolism and the absorption of dietary fats. Its expression is regulated by various factors, including dietary components and hormonal signals. Studies have shown that Ces1d-deficient mice exhibit altered drug metabolism and lipid profiles, highlighting its importance in maintaining metabolic homeostasis. Understanding the functions and regulation of Ces1d could contribute to the development of strategies for modulating drug metabolism and treating metabolic disorders.

Protein	Mouse Carboxylesterase 1D (Ces1d)
Protein Synonym	Carboxylesterase 3; Fatty acid ethyl ester synthase; Triacylglycerol hydrolase; TGH; Ces1d; Ces1
Gene ID	104158

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. 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.