

ACAT2 Protein, Rat (His)

Cat. No.:	HY-P75543
Synonyms:	Acetyl-CoA acetyltransferase cytosolic; ACTL; ACAT2
Species:	Rat
Source:	E. coli
Accession:	Q5X122 (M1-G397)
Gene ID:	308100
Molecular Weight:	Approximately 43.3 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, 20% Glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The ACAT2 Protein plays a pivotal role in the biosynthetic pathway of cholesterol. As an integral component of this metabolic process, ACAT2 is involved in the intricate synthesis of cholesterol, contributing to the regulation and maintenance of cellular lipid homeostasis. The enzyme's involvement highlights its significance in modulating cholesterol levels and underscores its essential function in cellular physiology.
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Caution: Product has not been fully validated for medical applications. For research use only.

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