Creative Enzymes®

Acetyl-CoA Carboxylase 2 from Human, Recombinant

Cat. No. NATE-0943

Lot. No. (See product label)

Introduction

Description	Recombinant Human Acetyl-CoA Carboxylase 2 for advanced research on fatty acid metabolism and enzyme regulation. Perfect for metabolic and biochemical studies. Creative Enzymes delivers high-purity, reliable solutions.
Applications	Acetyl-CoA carboxylase is responsible for synthesis of Malonyl-CoA which is an inhibitor of fatty acid oxidation in skeletal muscle mitochondria. The enzyme may be used to study the effect on production of malonyl-CoA as well as fatty acid oxidation during exercise. The enzyme also may be used for ACC regulation study in anti-obesity and anti-type 2 diabetes therapeutics.
Synonyms	ACACB; ACC2; acetyl-CoA carboxylase beta; acetyl coenzyme A carboxylase; acetyl-CoA carboxylase

Product Information

Species	Human
Source	Sf9 cells
Form	Supplied as a solution in 50 mM Tris-HCl, pH 8.0, 275 mM NaCl, 10% glycerol, 1 mM EDTA and 2 mM DTT.
EC Number	EC 6.4.1.2
CAS No.	9023-93-2
Molecular Weight	277 kDa
Activity	> 25 units/μg protein
Unit Definition	One unit will cause the carboxylation of 1 picomole of acetyl-CoA per minute at pH 7.4 at 30 deg C.

Storage and Shipping Information

Storage	Store at -70°C. Avoid multiple freeze-thaw cycles.