Creative Enzymes®

crotonyl-CoA reductase

Cat. No. EXWM-1355

Lot. No. (See product label)

Introduction

Description	Catalyses the reaction in the reverse direction. This enzyme from Streptomyces collinus is specific for (E)-but-2-enoyl-CoA, and is proposed to provide butanoyl-CoA as a starter unit for straight-chain fatty acid biosynthesis.
Synonyms	butyryl-CoA dehydrogenase; butyryl dehydrogenase; unsaturated acyl-CoA reductase; ethylene reductase; enoyl-coenzyme A reductase; unsaturated acyl coenzyme A reductase; butyryl coenzyme A dehydrogenase; short-chain acyl CoA dehydrogenase; short-chain acyl-coenzyme A dehydrogenase; 3-hydroxyacyl CoA reductase; butanoyl-CoA:(acceptor) 2,3-oxidoreductase; CCR

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.3.1.86
Reaction	butanoyl-CoA + NADP+ = (E)-but-2-enoyl-CoA + NADPH + H+
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.