Creative Enzymes®

succinate-semialdehyde dehydrogenase (acylating)

Cat. No. EXWM-1178

Lot. No. (See product label)

Introduction

Description	Catalyses the NADPH-dependent reduction of succinyl-CoA to succinate semialdehyde. The enzyme has been described in Clostridium kluyveri, where it participates in succinate fermentation, and in Metallosphaera sedula, where it participates in the 3-hydroxypropanonate/4-hydroxybutanoate cycle, an autotrophic CO2 fixation pathway found in some thermoacidophilic archaea.
Synonyms	succinyl-coA reductase; coenzyme-A-dependent succinate-semialdehyde dehydrogenase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.2.1.76
Reaction	succinate semialdehyde + CoA + NADP+ = succinyl-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 ℃.