Creative Enzymes®

acetoin dehydrogenase

Cat. No. EXWM-2133

Lot. No. (See product label)

Introduction

Description	Requires thiamine diphosphate. This enzyme, which belongs to the family of 2-oxo acid dehydrogenase complexes, catalyses the oxidative-hydrolytic cleavage of acetoin to acetaldehyde and acetyl-CoA in many bacterial strains, both aerobic and anaerobic. The enzyme is composed of multiple copies of three enzymic components: acetoin oxidoreductase (E1), dihydrolipoamide acetyltransferase (E2) and dihydrolipoyl dehydrogenase (E3).
Synonyms	acetoin dehydrogenase complex; acetoin dehydrogenase enzyme system; AoDH ES

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.3.1.190
Reaction	acetoin + CoA + NAD+ = acetaldehyde + acetyl-CoA + NADH + 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 ℃.