Creative Enzymes®

aldehyde dehydrogenase (NADP+)

Cat. No. EXWM-1144

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of oxidoreductases, specifically those acting on the aldehyde or oxo group of donor with NAD+ or NADP+ as acceptor. The systematic name of this enzyme class is aldehyde:NADP+ oxidoreductase. Other names in common use include NADP+-acetaldehyde dehydrogenase, NADP+-dependent aldehyde dehydrogenase, and aldehyde dehydrogenase (NADP+). This enzyme participates in caprolactam degradation.
Synonyms	NADP-acetaldehyde dehydrogenase; NADP-dependent aldehyde dehydrogenase; aldehyde dehydrogenase (NADP)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.2.1.4
CAS No.	9028-87-9
Reaction	an aldehyde + NADP+ + H2O = a carboxylate + 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 ℃.