Creative Enzymes®

aldehyde dehydrogenase [NAD(P)+]

Cat. No. EXWM-1153

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:NAD(P)+ oxidoreductase. Other names in common use include aldehyde dehydrogenase [NAD(P)+], and ALDH. This enzyme participates in 5 metabolic pathways: glycolysis / gluconeogenesis, histidine metabolism, tyrosine metabolism, phenylalanine metabolism, and metabolism of xenobiotics by cytochrome p450.
Synonyms	ALDH

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.2.1.5
CAS No.	9028-88-0
Reaction	an aldehyde + NAD(P)+ + H2O = a carboxylate + NAD(P)H + 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 ℃.