Creative Enzymes®

L-rhamnose 1-dehydrogenase [NAD(P)+]

Cat. No. EXWM-0296

Lot. No. (See product label)

Introduction

Description	The enzyme, which occurs in the bacteria Azotobacter vinelandii and Sphingomonas sp. SKA58, is part of the non-phosphorylative degradation pathway for L-rhamnose. The enzyme differs in cofactor specificity from EC 1.1.1.173, L-rhamnose 1-dehydrogenase, which is specific for NAD+ and EC 1.1.1.377, L-rhamnose 1-dehydrogenase (NADP+).

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.378
Reaction	L-rhamnose + NAD(P)+ = L-rhamnono-1,4-lactone + 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 ℃.