Creative Enzymes®

1-pyrroline-2-carboxylate reductase [NAD(P)H]

Cat. No. EXWM-1530

Lot. No. (See product label)

Introduction

Description	The enzyme from the bacterium Colwellia psychrerythraea is involved in trans-3-hydroxy-L-proline metabolism. In contrast to EC 1.5.1.1, 1-piperideine-2-carboxylate/1-pyrroline-2-carboxylate reductase [NAD(P)H], which shows similar activity with 1-piperideine-2-carboxylate and 1-pyrroline-2-carboxylate, this enzyme is specific for the latter. While the enzyme is active with both NADH and NADPH, activity is higher with NADPH.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.5.1.49
Reaction	L-proline + NAD(P)+ = 1-pyrroline-2-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 ℃.