Creative Enzymes®

hydrogen dehydrogenase (NADP+)

Cat. No. EXWM-0518

Lot. No. (See product label)

Introduction

Description	The protein from the bacterium Desulfovibrio fructosovorans is an iron-sulfur protein that exclusively functions as a hydrogen dehydrogenase, while the enzyme from the archaeon Pyrococcus furiosus is a nickel, iron, iron-sulfur protein, that is part of a heterotetrameric complex where the α and Δ subunits function as a hydrogenase while the β and γ subunits function as sulfur reductase (EC 1.12.98.4, sulfhydrogenase). Different from EC 1.12.1.5, hydrogen dehydrogenase [NAD(P)+].
Synonyms	NADP+-linked hydrogenase; NADP+-reducing hydrogenase; hydrogenase (ambiguous); hydrogenase I (ambiguous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.12.1.3
CAS No.	9027-05-8
Reaction	H2 + NADP+ = H+ + NADPH
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 ℃.