Creative Enzymes®

hydrogenase (NAD+, ferredoxin)

Cat. No. EXWM-0519

Lot. No. (See product label)

Introduction

Description	The enzyme from Thermotoga maritima contains a [FeFe] cluster (H-cluster) and iron-sulfur clusters. It works in the direction evolving hydrogen as a means of eliminating excess reducing equivalents.
Synonyms	bifurcating [FeFe] hydrogenase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.12.1.4
Reaction	2 H2 + NAD+ + 2 oxidized ferredoxin = 5 H+ + NADH + 2 reduced ferredoxin
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 ℃.