

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

$2 \text{H}_2 + \text{NAD}^+ + 2 \text{ oxidized ferredoxin} = 5 \text{H}^+ + \text{NADH} + 2 \text{ reduced ferredoxin}$

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.