

formate dehydrogenase (NAD⁺, ferredoxin)

Cat. No. EXWM-1197

Lot. No. (See product label)

Introduction

Description

The enzyme complex, isolated from the bacterium *Gottschalkia acidurici*, couples the reduction of NAD⁺ and the reduction of ferredoxin with formate via flavin-based electron bifurcation.

Synonyms

electron-bifurcating formate dehydrogenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.2.1.93

Reaction

2 formate + NAD⁺ + 2 oxidized ferredoxin [iron-sulfur] cluster = 2 CO₂ + NADH + H⁺ + 2 reduced ferredoxin [iron-sulfur] cluster

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.