Creative Enzymes®

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