

ferredoxin-NAD+ reductase

Cat. No. EXWM-1108

Lot. No. (See product label)

Introduction

Description Contains FAD. Reaction (1) is written for a [2Fe-2S] ferredoxin, which is

characteristic of some mono- and dioxygenase systems. The alternative reaction (2) is written for a 2[4Fe-4S] ferredoxin, which transfers two electrons, and occurs

in metabolism of anaerobic bacteria.

Synonyms ferredoxin-nicotinamide adenine dinucleotide reductase; ferredoxin reductase

(ambiguous); NAD+-ferredoxin reductase; NADH-ferredoxin oxidoreductase; reductase, reduced nicotinamide adenine dinucleotide-ferredoxin; ferredoxin-NAD+ reductase; NADH-ferredoxin reductase; NADH2-ferredoxin oxidoreductase; NADH flavodoxin oxidoreductase; NADH-ferredoxin NAP reductase (component of

naphthalene dioxygenase multicomponent enzyme system); ferredoxin-linked NAD+ reductase; NADH-ferredoxin TOL reductase (component of toluene

dioxygenase); ferredoxin-NAD reductase

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.18.1.3

CAS No. 39369-37-4

Reaction (1) 2 reduced [2Fe-2S] ferredoxin + NAD+ + H+ = 2 oxidized [2Fe-2S] ferredoxin

+ NADH; (2) reduced 2[4Fe-4S] ferredoxin + NAD+ + H+ = oxidized 2[4Fe-4S]

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ferredoxin + NADH

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

Store it at +4 °C for short term. For long term storage, store it at -20 °C∼-80 °C.

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