

rubredoxin-NAD⁺ reductase

Cat. No. EXWM-1106

Lot. No. (See product label)

Introduction

Description Requires FAD. The enzyme from *Clostridium acetobutylicum* reduces rubredoxin, ferricyanide and dichlorophenolindophenol, but not ferredoxin or flavodoxin. The reaction does not occur when NADPH is substituted for NADH. Contains iron at the redox centre.

Synonyms rubredoxin reductase; rubredoxin-nicotinamide adenine dinucleotide reductase; dihydronicotinamide adenine dinucleotide-rubredoxin reductase; reduced nicotinamide adenine dinucleotide-rubredoxin reductase; NADH-rubredoxin reductase; rubredoxin-NAD reductase; NADH: rubredoxin oxidoreductase; DPNH-rubredoxin reductase; NADH-rubredoxin oxidoreductase

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.18.1.1

CAS No. 9032-27-3

Reaction $2 \text{ reduced rubredoxin} + \text{NAD}^+ + \text{H}^+ = 2 \text{ oxidized rubredoxin} + \text{NADH}$

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

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