Creative Enzymes®

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 reduced rubredoxin + NAD+ + H+ = 2 oxidized rubredoxin + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.