Creative Enzymes®

ferredoxin-NADP+ reductase

Cat. No. EXWM-1107

Lot. No. (See product label)

Introduction

Description	A flavoprotein (FAD). In chloroplasts and cyanobacteria the enzyme acts on plant-type [2Fe-2S] ferredoxins, but in other bacteria it can also reduce bacterial [4Fe-4S] ferredoxins and flavodoxin.
Synonyms	ferredoxin-nicotinamide adenine dinucleotide phosphate reductase; ferredoxin-NADP+ reductase; TPNH-ferredoxin reductase; ferredoxin-NADP+ oxidoreductase; NADP+:ferredoxin oxidoreductase; ferredoxin-TPN reductase; ferredoxin-NADP+-oxidoreductase; NADPH:ferredoxin oxidoreductase; ferredoxin-nicotinamide-adenine dinucleotide phosphate (oxidized) reductase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.18.1.2
CAS No.	9029-33-8
Reaction	2 reduced ferredoxin + NADP+ + H+ = 2 oxidized ferredoxin + NADPH
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 ℃.