

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 $2 \text{ reduced ferredoxin} + \text{NADP}^+ + \text{H}^+ = 2 \text{ oxidized ferredoxin} + \text{NADPH}$

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