

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