

## NAD(P)+ transhydrogenase (ferredoxin)

Cat. No. EXWM-1577

Lot. No. (See product label)

### Introduction

#### Description

The iron-sulfur flavoprotein complex, isolated from the bacterium *Clostridium kluyveri*, couples the exergonic reduction of NADP<sup>+</sup> with reduced ferredoxin and the endergonic reduction of NADP<sup>+</sup> with NADH.

#### Synonyms

NADH-dependent reduced ferredoxin:NADP<sup>+</sup> oxidoreductase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.6.1.4

#### Reaction

$\text{NADH} + \text{H}^+ + 2 \text{NADP}^+ + 2 \text{ reduced ferredoxin [iron-sulfur] cluster} = \text{NAD}^+ + 2 \text{NADPH} + 2 \text{ oxidized ferredoxin [iron-sulfur] cluster}$

#### 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.