

## ferredoxin-NAD(P)<sup>+</sup> reductase (naphthalene dioxygenase ferredoxin-specific)

Cat. No. EXWM-1112

Lot. No. (See product label)

### Introduction

#### Description

The enzyme from the aerobic bacterium *Ralstonia* sp. U2 donates electrons to both EC 1.14.12.12, naphthalene 1,2-dioxygenase and EC 1.14.13.172, salicylate 5-hydroxylase. The enzyme from *Pseudomonas* NCIB 9816 is specific for the ferredoxin associated with naphthalene dioxygenase; it contains FAD and a [2Fe-2S] cluster.

#### Synonyms

NADH-ferredoxin(NAP) reductase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.18.1.7

#### Reaction

2 reduced [2Fe-2S] ferredoxin + NAD(P)<sup>+</sup> + H<sup>+</sup> = 2 oxidized [2Fe-2S] ferredoxin + NAD(P)H

#### 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.