

## NAD(P)H dehydrogenase (quinone)

Cat. No. EXWM-1591

Lot. No. (See product label)

### Introduction

#### Description

A flavoprotein. The enzyme catalyses a two-electron reduction and has a preference for short-chain acceptor quinones, such as ubiquinone, benzoquinone, juglone and duroquinone. The animal, but not the plant, form of the enzyme is inhibited by dicoumarol.

#### Synonyms

menadione reductase; phyloquinone reductase; quinone reductase; dehydrogenase, reduced nicotinamide adenine dinucleotide (phosphate, quinone); DT-diaphorase; flavoprotein NAD(P)H-quinone reductase; menadione oxidoreductase; NAD(P)H dehydrogenase; NAD(P)H menadione reductase; NAD(P)H-quinone dehydrogenase; NAD(P)H-quinone oxidoreductase; NAD(P)H: (quinone-acceptor)oxidoreductase; NAD(P)H: menadione oxidoreductase; NADH-menadione reductase; naphthoquinone reductase; p-benzoquinone reductase; reduced NAD(P)H dehydrogenase; viologen accepting pyridine nucleotide oxidoreductase; vitamin K reductase; diaphorase; reduced nicotinamide-adenine dinucleotide (phosphate) dehydrogenase; vitamin-K reductase; NAD(P)H<sub>2</sub> dehydrogenase (quinone); NQO1; QR1; NAD(P)H:(quinone-acceptor) oxidoreductase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.6.5.2

#### CAS No.

9032-20-6

#### Reaction

$\text{NAD(P)H} + \text{H}^+ + \text{a quinone} = \text{NAD(P)}^+ + \text{a hydroquinone}$

#### 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.