

## NADH oxidase (H<sub>2</sub>O<sub>2</sub>-forming)

Cat. No. EXWM-1585

Lot. No. (See product label)

### Introduction

#### Description

A flavoprotein (FAD). The bacterium *Streptococcus mutans* contains two distinct NADH oxidases, a H<sub>2</sub>O<sub>2</sub>-forming enzyme and a H<sub>2</sub>O-forming enzyme (cf. EC 1.6.3.4, NADH oxidase (H<sub>2</sub>O-forming)). The enzymes from the anaerobic archaea *Methanocaldococcus jannaschii* and *Pyrococcus furiosus* also produce low amounts of H<sub>2</sub>O. Unlike EC 1.6.3.1 (NAD(P)H oxidase) it has no activity towards NADPH.

#### Synonyms

NOX-1; H<sub>2</sub>O<sub>2</sub>-forming NADH oxidase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.6.3.3

#### Reaction

$\text{NADH} + \text{H}^+ + \text{O}_2 = \text{NAD}^+ + \text{H}_2\text{O}_2$

#### 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.