

## NADH Peroxidase from *Enterococcus faecalis*, Recombinant

Cat. No. NATE-1116

Lot. No. (See product label)

### Introduction

**Description** NADH peroxidase (EC 1.11.1.1), systematically designated by NADH:hydrogen-peroxide oxidoreductase, is an enzyme that catalyzes the reversible conversion of NADH and hydrogen peroxide into NAD<sup>+</sup> and water.

**Synonyms** NADH:hydrogen-peroxide oxidoreductase; DPNH peroxidase; NAD peroxidase; diphosphopyridine nucleotide peroxidase; NADH-peroxidase; nicotinamide adenine dinucleotide peroxidase; NADH<sub>2</sub> peroxidase; EC 1.11.1.1

### Product Information

**Source** *Enterococcus faecalis*

**Form** Liquid

**EC Number** EC 1.11.1.1

**CAS No.** 9032-24-0

**Molecular Weight** ~ 51kD

**Activity** 50 U/mg, 500 U/ml

**Unit Definition** One unit is defined as the amount of enzyme required to produce 1 μmol of NAD<sup>+</sup> from NADH in a reaction mixture containing 50 mM potassium phosphate buffer, pH 5.5, and 2 mM NADH, at 25 °C.

### Storage and Shipping Information

**Storage** 4°C