

## 4-hydroxybenzaldehyde dehydrogenase (NAD<sup>+</sup>)

Cat. No. EXWM-1166

Lot. No. (See product label)

### Introduction

**Description** The bacterial enzyme (characterized from an unidentified denitrifying bacterium) is involved in an anaerobic toluene degradation pathway. The plant enzyme is involved in formation of 4-hydroxybenzoate, a cell wall-bound phenolic acid that plays a major role in plant defense against pathogens. cf. EC 1.2.1.96, 4-hydroxybenzaldehyde dehydrogenase (NADP<sup>+</sup>).

**Synonyms** p-hydroxybenzaldehyde dehydrogenase (ambiguous); 4-hydroxybenzaldehyde dehydrogenase (ambiguous)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.2.1.64

**CAS No.** 61229-72-9

**Reaction** 4-hydroxybenzaldehyde + NAD<sup>+</sup> + H<sub>2</sub>O = 4-hydroxybenzoate + NADH + 2 H<sup>+</sup>

**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.