Creative Enzymes®

# 4-hydroxybenzaldehyde dehydrogenase (NAD+)

*Cat. No. EXWM-1166*

*Lot. No.* (See product label)

## Introduction

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|---|---|
| ***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+). |
| ***Synonyms*** | p-hydroxybenzaldehyde dehydrogenase (ambiguous); 4-hydroxybenzaldehyde dehydrogenase (ambiguous) |

## Product Information

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|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 1.2.1.64 |
| ***CAS No.*** | 61229-72-9 |
| ***Reaction*** | 4-hydroxybenzaldehyde + NAD+ + H2O = 4-hydroxybenzoate + NADH + 2 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

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| ***Storage*** | Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃. |