

## benzaldehyde dehydrogenase (NADP+)

Cat. No. EXWM-1171

Lot. No. (See product label)

### Introduction

#### Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the aldehyde or oxo group of donor with NAD<sup>+</sup> or NADP<sup>+</sup> as acceptor. The systematic name of this enzyme class is benzaldehyde:NADP<sup>+</sup> oxidoreductase. Other names in common use include NADP<sup>+</sup>-linked benzaldehyde dehydrogenase, and benzaldehyde dehydrogenase (NADP<sup>+</sup>). This enzyme participates in benzoate degradation via hydroxylation and toluene and xylene degradation.

#### Synonyms

NADP-linked benzaldehyde dehydrogenase; benzaldehyde dehydrogenase (NADP)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.2.1.7

#### CAS No.

9028-89-1

#### Reaction

benzaldehyde + NADP<sup>+</sup> + H<sub>2</sub>O = benzoate + NADPH + 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.