

## 2-aminomuconate deaminase (2-hydroxymuconate-forming)

Cat. No. EXWM-4401

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, characterized from the bacterium *Comamonas testosteroni* CNB-1, converts 2-aminomuconate to 2-hydroxyhexa-2,4-dienedioate, unlike the enzymes from *Pseudomonas*, which produce (3E)-2-oxohex-3-enedioate (see EC 3.5.99.5, 2-aminomuconate deaminase). The enzyme also acts on 2-amino-5-chloromuconate.

#### Synonyms

cnbZ (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.5.1.120

#### Reaction

2-aminomuconate + H<sub>2</sub>O = (2Z,4E)-2-hydroxyhexa-2,4-dienedioate + NH<sub>3</sub>

#### 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.