

## diaminobutyrate decarboxylase

Cat. No. EXWM-4835

Lot. No. (See product label)

### Introduction

#### Description

A pyridoxal-phosphate protein that requires a divalent cation for activity. N4-Acetyl-L-2,4-diaminobutanoate, 2,3-diaminopropanoate, ornithine and lysine are not substrates. Found in the proteobacteria *Haemophilus influenzae* and *Acinetobacter baumannii*. In the latter, this enzyme is cotranscribed with the *dat* gene that encodes EC 2.6.1.76, diaminobutyrate-2-oxoglutarate transaminase, which can supply the substrate for this enzyme.

#### Synonyms

DABA DC; L-2,4-diaminobutyrate decarboxylase; L-2,4-diaminobutanoate carboxylase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 4.1.1.86

#### Reaction

L-2,4-diaminobutanoate = propane-1,3-diamine + CO<sub>2</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.