

## L-erythro-3,5-diaminohexanoate dehydrogenase

Cat. No. EXWM-1444

Lot. No. (See product label)

### Introduction

#### Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-NH<sub>2</sub> group of donors with NAD<sup>+</sup> or NADP<sup>+</sup> as acceptor. The systematic name of this enzyme class is L-erythro-3,5-diaminohexanoate:NAD<sup>+</sup> oxidoreductase (deaminating). This enzyme is also called L-3,5-diaminohexanoate dehydrogenase. This enzyme participates in lysine degradation.

#### Synonyms

L-3,5-diaminohexanoate dehydrogenase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.4.1.11

#### CAS No.

37377-90-5

#### Reaction

L-erythro-3,5-diaminohexanoate + H<sub>2</sub>O + NAD<sup>+</sup> = (S)-5-amino-3-oxohexanoate + NH<sub>3</sub> + NADH + 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.