

## N-acetyldiaminopimelate deacetylase

Cat. No. EXWM-4435

Lot. No. (See product label)

### Introduction

**Description** This enzyme belongs to the family of hydrolases, those acting on carbon-nitrogen bonds other than peptide bonds, specifically in linear amides. The systematic name of this enzyme class is N6-acetyl-LL-2,6-diaminoheptanedioate amidohydrolase. Other names in common use include N-acetyl-L-diaminopimelic acid deacylase, N-acetyl-LL-diaminopimelate deacylase, and 6-N-acetyl-LL-2,6-diaminoheptanedioate amidohydrolase. This enzyme participates in lysine biosynthesis.

**Synonyms** N-acetyl-L-diaminopimelic acid deacylase; N-acetyl-LL-diaminopimelate deacylase; 6-N-acetyl-LL-2,6-diaminoheptanedioate amidohydrolase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 3.5.1.47

**CAS No.** 99193-93-8

**Reaction** N-acetyl-LL-2,6-diaminoheptanedioate + H<sub>2</sub>O = acetate + LL-2,6-diaminoheptanedioate

**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.