

## aspartate-ammonia ligase

Cat. No. EXWM-5712

Lot. No. (See product label)

### Introduction

**Description** This enzyme belongs to the family of ligases, specifically those forming carbon-nitrogen bonds as acid-D-ammonia (or amine) ligases (amide synthases). This enzyme participates in 3 metabolic pathways: alanine and aspartate metabolism, cyanoamino acid metabolism, and nitrogen metabolism.

**Synonyms** asparagine synthetase; L-asparagine synthetase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 6.3.1.1

**CAS No.** 9023-69-2

**Reaction**  $\text{ATP} + \text{L-aspartate} + \text{NH}_3 = \text{AMP} + \text{diphosphate} + \text{L-asparagine}$

**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.