

## aspartate carbamoyltransferase

Cat. No. EXWM-2015

Lot. No. (See product label)

### Introduction

**Description** Aspartate carbamoyltransferase (also known as aspartate transcarbamoylase or ATCase) catalyzes the first step in the pyrimidine biosynthetic pathway. ATCase is a highly regulated enzyme that catalyses the first committed step in pyrimidine biosynthesis, the condensation of L-aspartate and carbamoyl phosphate to form N-carbamoyl-L-aspartate and inorganic phosphate.

**Synonyms** carbamylaspartotranskinase; aspartate transcarbamylase; aspartate carbamyltransferase; aspartic acid transcarbamoylase; aspartic carbamyltransferase; aspartic transcarbamylase; carbamylaspartotranskinase; L-aspartate transcarbamoylase; L-aspartate transcarbamylase; carbamoylaspartotranskinase; aspartate transcarbamylase; aspartate transcarbamoylase; ATCase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.1.3.2

**CAS No.** 9012-49-1

**Reaction** carbamoyl phosphate + L-aspartate = phosphate + N-carbamoyl-L-aspartate

**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.