

## aspartate-tRNA ligase

Cat. No. EXWM-5643

Lot. No. (See product label)

### Introduction

#### Description

This enzyme belongs to the family of ligases, to be specific those forming carbon-oxygen bonds in aminoacyl-tRNA and related compounds. This enzyme participates in alanine and aspartate metabolism and aminoacyl-trna biosynthesis.

#### Synonyms

aspartyl-tRNA synthetase; aspartyl ribonucleic synthetase; aspartyl-transfer RNA synthetase; aspartic acid transase; aspartyl-transfer ribonucleic acid synthetase; aspartyl ribonucleate synthetase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 6.1.1.12

#### CAS No.

9027-32-1

#### Reaction

ATP + L-aspartate + tRNAAsp = AMP + diphosphate + L-aspartyl-tRNAAsp

#### 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.