

asparagine-tRNA ligase

Cat. No. EXWM-5654

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 asparaginyI-tRNA synthetase; asparaginyI-transfer ribonucleate synthetase; asparaginyI transfer RNA synthetase; asparaginyI transfer ribonucleic acid synthetase; asparagyl-transfer RNA synthetase; asparagine translase

Product Information

Form Liquid or lyophilized powder

EC Number EC 6.1.1.22

CAS No. 37211-76-0

Reaction $\text{ATP} + \text{L-asparagine} + \text{tRNAAsn} = \text{AMP} + \text{diphosphate} + \text{L-asparaginyI-tRNAAsn}$

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.