

arginine-tRNA ligase

Cat. No. EXWM-5650

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 arginine and proline metabolism and aminoacyl-trna biosynthesis.

Synonyms arginyl-tRNA synthetase; arginyl-transfer ribonucleate synthetase; arginyl-transfer RNA synthetase; arginyl transfer ribonucleic acid synthetase; arginine-tRNA synthetase; arginine translase

Product Information

Form Liquid or lyophilized powder

EC Number EC 6.1.1.19

CAS No. 37205-35-9

Reaction $\text{ATP} + \text{L-arginine} + \text{tRNAArg} = \text{AMP} + \text{diphosphate} + \text{L-arginyl-tRNAArg}$

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.