

proline-tRNA ligase

Cat. No. EXWM-5646

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

prolyl-tRNA synthetase; prolyl-transferRNA synthetase; prolyl-transfer ribonucleate synthetase; proline translase; prolyl-transfer ribonucleic acid synthetase; prolyl-s-RNA synthetase; prolanyl-tRNA ligase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 6.1.1.15

CAS No.

9055-68-9

Reaction

ATP + L-proline + tRNA^{Pro} = AMP + diphosphate + L-prolyl-tRNA^{Pro}

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.