Creative Enzymes®

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; prolinyl-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 + tRNAPro = AMP + diphosphate + L-prolyl-tRNAPro
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.