Creative Enzymes®

leucine-tRNA ligase

Cat. No. EXWM-5660

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 valine, leucine and isoleucine biosynthesis and aminoacyl-trna biosynthesis.
Synonyms	leucyl-tRNA synthetase; leucyl-transfer ribonucleate synthetase; leucyl-transfer RNA synthetase; leucyl-transfer ribonucleic acid synthetase; leucine-tRNA synthetase; leucine translase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.1.1.4
CAS No.	9031-15-6
Reaction	ATP + L-leucine + tRNALeu = AMP + diphosphate + L-leucyl-tRNALeu
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 ℃.