

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 transase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 6.1.1.4

CAS No.

9031-15-6

Reaction

ATP + L-leucine + tRNA^{Leu} = AMP + diphosphate + L-leucyl-tRNA^{Leu}

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.