

isoleucine-tRNA ligase

Cat. No. EXWM-5661

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

isoleucyl-tRNA synthetase; isoleucyl-transfer ribonucleate synthetase; isoleucyl-transfer RNA synthetase; isoleucine-transfer RNA ligase; isoleucine-tRNA synthetase; isoleucine transase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 6.1.1.5

CAS No.

9030-96-0

Reaction

ATP + L-isoleucine + tRNA^{Ile} = AMP + diphosphate + L-isoleucyl-tRNA^{Ile}

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.