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 translase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.1.1.5
CAS No.	9030-96-0
Reaction	ATP + L-isoleucine + tRNAIle = AMP + diphosphate + L-isoleucyl-tRNAIle
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 ℃.