

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

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.