alanine-tRNA ligase

Cat. No. EXWM-5663

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 alanine and aspartate metabolism and aminoacyl-trna biosynthesis.
Synonyms	alanyl-tRNA synthetase; alanyl-transfer ribonucleate synthetase; alanyl-transfer RNA synthetase; alanyl-transfer ribonucleic acid synthetase; alanine-transfer RNA ligase; alanine transfer RNA synthetase; alanine tRNA synthetase; alanine translase; alanyl-transfer ribonucleate synthase; AlaRS; Ala-tRNA synthetase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.1.1.7
CAS No.	9031-71-4
Reaction	ATP + L-alanine + tRNAAla = AMP + diphosphate + L-alanyl-tRNAAla
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 ℃.