

tRNA^{Ala}-lysine synthase

Cat. No. EXWM-5788

Lot. No. (See product label)

Introduction

Description The bacterial enzyme modifies the wobble base of the CAU anticodon of tRNA^{Ala} at the oxo group in position 2 of cytidine³⁴. This modification determines both codon and amino acid specificities of tRNA^{Ala}.

Synonyms TllS; mesJ (gene name); yacA (gene name); isoleucine-specific transfer ribonucleate lysidine synthetase; tRNA^{Ala}-lysidine synthetase

Product Information

Form Liquid or lyophilized powder

EC Number EC 6.3.4.19

CAS No. 635304-92-6

Reaction [tRNA^{Ala}]₂-cytidine³⁴ + L-lysine + ATP = [tRNA^{Ala}]₂-lysidine³⁴ + AMP + diphosphate + H₂O

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.