tRNAIle-lysidine synthase

Cat. No. EXWM-5788

Lot. No. (See product label)

Introduction

Description	The bacterial enzyme modifies the wobble base of the CAU anticodon of tRNAIle at the oxo group in position 2 of cytidine34. This modification determines both codon and amino acid specificities of tRNAIle.
Synonyms	TilS; mesJ (gene name); yacA (gene name); isoleucine-specific transfer ribonucleate lysidine synthetase; tRNAIle-lysidine synthetase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.3.4.19
CAS No.	635304-92-6
Reaction	[tRNAIle2]-cytidine34 + L-lysine + ATP = [tRNAIle2]-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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.