

tRNAMet cytidine acetyltransferase

Cat. No. EXWM-2136

Lot. No. (See product label)

Introduction

Description

The enzyme acetylates the wobble base cytidine³⁴ of the CAU anticodon of elongation-specific tRNAMet. Escherichia coli TmcA strictly discriminates elongator tRNAMet from tRNA^{Ala}, which is structurally similar and has the same anticodon loop, mainly by recognizing the C27-G43 pair in the anticodon stem. The enzyme can use GTP in place of ATP for formation of N4-acetylcytidine.

Synonyms

Ypfl; TmcA

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.3.1.193

Reaction

[elongator tRNAMet]-cytidine³⁴ + ATP + acetyl-CoA + H₂O = CoA + [elongator tRNAMet]-N4-acetylcytidine³⁴ + ADP + phosphate

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.