Creative Enzymes®

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 tRNAIle, 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	YpfI; 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.