Creative Enzymes®

tRNA (cytidine32/uridine32-2'-O)-methyltransferase

Cat. No. EXWM-1801

Lot. No. (See product label)

Introduction

Description	In Escherichia coli YfhQ is the only methyltransferase responsible for the formation of 2'-O-methylcytidine32 in tRNA. No methylation of cytosine34 in tRNALeu(CAA). In vitro the enzyme 2-O-methylates cytidine32 of tRNASer1 and uridine32 of tRNAGln2.
Synonyms	YfhQ; tRNA:Cm32/Um32 methyltransferase; TrMet(Xm32); TrmJ

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.200
Reaction	(1) S-adenosyl-L-methionine + cytidine32 in tRNA = S-adenosyl-L-homocysteine + 2'-O-methylcytidine32 in tRNA; (2) S-adenosyl-L-methionine + uridine32 in tRNA = S-adenosyl-L-homocysteine + 2'-O-methyluridine32 in tRNA
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 ℃.