Creative Enzymes®

tRNA (guanine37-N1)-methyltransferase

Cat. No. EXWM-1831

Lot. No. (See product label)

Introduction

Description	This enzyme is important for the maintenance of the correct reading frame during translation. Unlike TrmD from Escherichia coli, which recognizes the G36pG37 motif preferentially, the human enzyme (encoded by TRMT5) also methylates inosine at position 37.
Synonyms	TrmD; tRNA (m1G37) methyltransferase; transfer RNA (m1G37) methyltransferase; Trm5p; TRMT5; tRNA-(N1G37) methyltransferase; MJ0883 (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.228
Reaction	S-adenosyl-L-methionine + guanine37 in tRNA = S-adenosyl-L-homocysteine + N1-methylguanine37 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 ℃.