Creative Enzymes®

tRNA (cytosine38-C5)-methyltransferase

Cat. No. EXWM-1805

Lot. No. (See product label)

Introduction

Description	The eukaryotic enzyme catalyses methylation of cytosine38 in the anti-codon loop of tRNAAsp(GTC), tRNAVal(AAC) and tRNAGly(GCC). Methylation by Dnmt2 protects tRNAs against stress-induced cleavage by ribonuclease.
Synonyms	hDNMT2 (gene name); DNMT2 (gene name); TRDMT1 (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.204
Reaction	S-adenosyl-L-methionine + cytosine38 in tRNA = S-adenosyl-L-homocysteine + 5-methylcytosine38 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 ℃.