

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 tRNA^{Asp}(GTC), tRNA^{Val}(AAC) and tRNA^{Gly}(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 °C for short term. For long term storage, store it at -20 °C~-80 °C.