Creative Enzymes®

tRNA (uracil54-C5)-methyltransferase

Cat. No. EXWM-1939

Lot. No. (See product label)

Introduction

Description	Unlike this enzyme, EC 2.1.1.74 (methylenetetrahydrofolate-tRNA-(uracil54-C5)-methyltransferase (FADH2-oxidizing)), uses 5,10-methylenetetrahydrofolate and FADH2 to supply the atoms for methylation of U54.
Synonyms	transfer RNA uracil54 5-methyltransferase; transfer RNA uracil54 methylase; tRNA uracil54 5-methyltransferase; m5U54-methyltransferase; tRNA:m5U54-methyltransferase; RUMT; TrmA; 5-methyluridine54 tRNA methyltransferase; tRNA(uracil-54,C5)-methyltransferase; Trm2; tRNA(m5U54)methyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.35
CAS No.	37257-02-6
Reaction	S-adenosyl-L-methionine + uracil54 in tRNA = S-adenosyl-L-homocysteine + 5-methyluracil54 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 ℃.