

tRNA (uracil54-C5)-methyltransferase

Cat. No. EXWM-1939

Lot. No. (See product label)

Introduction

Description

Unlike this enzyme, EC 2.1.1.74 (methylene tetrahydrofolate-tRNA-(uracil54-C5)-methyltransferase (FADH2-oxidizing)), uses 5,10-methylene tetrahydrofolate 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.