Creative Enzymes®

tRNA (adenine9-N1)-methyltransferase

Cat. No. EXWM-1820

Lot. No. (See product label)

Introduction

Description	The enzyme from Sulfolobus acidocaldarius specifically methylates adenine9 in tRNA. The bifunctional enzyme from Thermococcus kodakaraensis also catalyses the methylation of guanine9 in tRNA (cf. EC 2.1.1.221, tRNA (guanine9-N1)-methyltransferase).
Synonyms	Trm10p (ambiguous); tRNA(m1G9/m1A9)-methyltransferase; tRNA(m1G9/m1A9)MTase; TK0422p (gene name); tRNA m1A9-methyltransferase; tRNA m1A9 Mtase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.218
Reaction	S-adenosyl-L-methionine + adenine9 in tRNA = S-adenosyl-L-homocysteine + N1-methyladenine9 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 ℃.