

## 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.