

## tRNA (guanine37-N1)-methyltransferase

Cat. No. EXWM-1831

Lot. No. (See product label)

### Introduction

#### Description

This enzyme is important for the maintenance of the correct reading frame during translation. Unlike TrmD from Escherichia coli, which recognizes the G36pG37 motif preferentially, the human enzyme (encoded by TRMT5) also methylates inosine at position 37.

#### Synonyms

TrmD; tRNA (m1G37) methyltransferase; transfer RNA (m1G37) methyltransferase; Trm5p; TRMT5; tRNA-(N1G37) methyltransferase; MJ0883 (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.1.1.228

#### Reaction

S-adenosyl-L-methionine + guanine37 in tRNA = S-adenosyl-L-homocysteine + N1-methylguanine37 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.