

## 23S rRNA (guanine2069-N7)-methyltransferase

Cat. No. EXWM-1869

Lot. No. (See product label)

### Introduction

#### Description

The enzyme specifically methylates guanine2069 at position N7 in 23S rRNA. In  $\gamma$ -proteobacteria the enzyme also catalyses EC 2.1.1.173, 23S rRNA (guanine2445-N2)-methyltransferase, while in  $\beta$ -proteobacteria the activities are carried out by separate proteins. The enzyme from the  $\gamma$ -proteobacterium *Escherichia coli* has RNA unwinding activity as well.

#### Synonyms

rlmK (gene name); 23S rRNA m7G2069 methyltransferase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.1.1.264

#### Reaction

S-adenosyl-L-methionine + guanine2069 in 23S rRNA = S-adenosyl-L-homocysteine + N7-methylguanine2069 in 23S rRNA

#### 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.