Creative Enzymes®

# 23S rRNA (cytidine1920-2'-O)-methyltransferase

*Cat. No. EXWM-1829*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | The bifunctional enzyme from Mycobacterium tuberculosis 2'-O-methylates cytidine1920 in helix 69 of 23S rRNA and cytidine1409 in helix 44 of 16S rRNA (cf. EC 2.1.1.227, 16S rRNA (cytidine1409-2'-O)-methyltransferase). These methylations result in increased susceptibility to the antibiotics capreomycin and viomycin. |
| ***Synonyms*** | TlyA (ambiguous) |

## Product Information

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| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 2.1.1.226 |
| ***Reaction*** | S-adenosyl-L-methionine + cytidine1920 in 23S rRNA = S-adenosyl-L-homocysteine + 2'-O-methylcytidine1920 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

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| ***Storage*** | Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃. |