Creative Enzymes®

# tRNA (guanine10-N2)-dimethyltransferase

*Cat. No. EXWM-1815*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | TRNA (guanine10-N2)-dimethyltransferase (EC 2.1.1.213, PAB1283, N(2),N(2)-dimethylguanosine tRNA methyltransferase, Trm-G10, PabTrm-G10, PabTrm-m2 2G10 enzyme) is an enzyme with systematic name S-adenosyl-L-methionine:tRNA (guanine10-N2)-dimethyltransferase. |
| ***Synonyms*** | PAB1283; N(2),N(2)-dimethylguanosine tRNA methyltransferase; Trm-G10; PabTrm-G10; PabTrm-m2 2G10 enzyme |

## Product Information

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| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 2.1.1.213 |
| ***Reaction*** | 2 S-adenosyl-L-methionine + guanine10 in tRNA = 2 S-adenosyl-L-homocysteine + N2-dimethylguanine10 in tRNA (overall reaction); (1a) S-adenosyl-L-methionine + guanine10 in tRNA = S-adenosyl-L-homocysteine + N2-methylguanine10 in tRNA; (1b) S-adenosyl-L-methionine + N2-methylguanine10 in tRNA = S-adenosyl-L-homocysteine + N2-dimethylguanine10 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

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