Creative Enzymes®

tRNA (guanine9-N1)-methyltransferase

Cat. No. EXWM-1824

Lot. No. (See product label)

Introduction

Description	The enzyme from Saccharomyces cerevisiae specifically methylates guanine9. The bifunctional enzyme from Thermococcus kodakaraensis also catalyses the methylation of adenine9 in tRNA (cf. EC 2.1.1.218, tRNA (adenine9-N1)-methyltransferase).
Synonyms	Trm10p (ambiguous); tRNA(m1G9/m1A9)-methyltransferase; tRNA(m1G9/m1A9)MTase; tRNA (guanine-N(1)-)-methyltransferase; tRNA m1G9-methyltransferase; tRNA m1G9 MTase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.221
Reaction	S-adenosyl-L-methionine + guanine9 in tRNA = S-adenosyl-L-homocysteine + N1-methylguanine9 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.