

tRNA (guanine10-N2)-dimethyltransferase

Cat. No. EXWM-1815

Lot. No. (See product label)

Introduction

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

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

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.