

tRNA (adenine57-N1/adenine58-N1)-methyltransferase

Cat. No. EXWM-1821

Lot. No. (See product label)

Introduction

Description The enzyme catalyses the formation of N1-methyladenine at two adjacent positions (57 and 58) in the T-loop of certain tRNAs (e.g. tRNA^{Asp}). Methyladenosine at position 57 is an obligatory intermediate for the synthesis of methylinosine, which is commonly found at position 57 of archaeal tRNAs.

Synonyms Trml; PabTrml; AqTrml; MtTrml

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.1.1.219

Reaction 2 S-adenosyl-L-methionine + adenine57/adenine58 in tRNA = 2 S-adenosyl-L-homocysteine + N1-methyladenine57/N1-methyladenine58 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.