Creative Enzymes®

tRNA (cytosine34-C5)-methyltransferase

Cat. No. EXWM-1804

Lot. No. (See product label)

Introduction

Description	The human enzyme is specific for C5-methylation of cytosine34 in tRNA precursors. The intron in the human pre-tRNALeu(CAA) is indispensable for the C5-methylation of cytosine in the first position of the anticodon. It is not able to form 5-methylcytosine at positions 48 and 49 of human and yeast tRNA precursors.
Synonyms	hTrm4 Mtase; hTrm4 methyltransferase; hTrm4 (gene name); tRNA:m5C-methyltransferase (ambiguous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.203
Reaction	S-adenosyl-L-methionine + cytosine34 in tRNA precursor = S-adenosyl-L-homocysteine + 5-methylcytosine34 in tRNA precursor
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 ℃.