Creative Enzymes®

S-adenosylmethionine:tRNA ribosyltransferase-isomerase

Cat. No. EXWM-2701

Lot. No. (See product label)

Introduction

Description	The reaction is a combined transfer and isomerization of the ribose moiety of S-adenosyl-L-methionine to the modified guanosine base in the wobble position in tRNAs specific for Tyr, His, Asp or Asn. It is part of the queuosine biosynthesis pathway.
Synonyms	QueA enzyme; queuosine biosynthesis protein QueA

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.99.17
Reaction	S-adenosyl-L-methionine + 7-aminomethyl-7-carbaguanosine34 in tRNA = L-methionine + adenine + epoxyqueuosine34 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 ℃.