

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