

tRNA pseudouridine55 synthase

Cat. No. EXWM-5565

Lot. No. (See product label)

Introduction

Description

Pseudouridine synthase TruB from Escherichia coli specifically modifies uridine55 in tRNA molecules. The bifunctional archaeal enzyme also catalyses the pseudouridylation of uridine54. It is not known whether the enzyme from Escherichia coli can also act on position 54 in vitro, since this position is occupied in Escherichia coli tRNAs by thymine.

Synonyms

TruB; aCbf5; Pus4; YNL292w (gene name); ψ 55 tRNA pseudouridine synthase; tRNA: ψ 55-synthase; tRNA pseudouridine 55 synthase; tRNA:pseudouridine-55 synthase; ψ 55 synthase; tRNA ψ 55 synthase; tRNA: ψ 55 synthase; tRNA-uridine55 uracil mutase; Pus10; tRNA-uridine54/55 uracil mutase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 5.4.99.25

CAS No.

430429-15-5

Reaction

tRNA uridine55 = tRNA pseudouridine55

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.