Creative Enzymes®

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); ψ55 tRNA pseudouridine synthase; tRNA:ψ55-synthase; tRNA pseudouridine 55 synthase; tRNA:pseudouridine-55 synthase; ψ55 synthase; tRNA ψ55 synthase; tRNA:ψ55 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.