

tRNA-5-aurinomethyluridine 2-sulfurtransferase

Cat. No. EXWM-3359

Lot. No. (See product label)

Introduction

Description

The enzyme, found in mitochondria, catalyses formation of 5-aurinomethyl-2-thiouridine in the wobble position of mitochondrial tRNA^{Gln}, tRNA^{Lys} and tRNA^{Glu}.

Synonyms

MTU1 (gene name); SLM3 (gene name); MTO2 (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.8.1.14

Reaction

a [protein]-S-sulfanyl-L-cysteine + 5-aurinomethyluridine³⁴ in tRNA + ATP + reduced acceptor = a [protein]-L-cysteine + 5-aurinomethyl-2-thiouridine³⁴ in tRNA + AMP + diphosphate + acceptor

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.