

## N6-L-threonylcarbamoyladenine synthase

Cat. No. EXWM-2182

Lot. No. (See product label)

### Introduction

#### Description

The enzyme is involved in the synthesis of N6-threonylcarbamoyladenosine<sup>37</sup> in tRNAs, which is found in tRNAs with the anticodon NNU, i.e. tRNA<sup>Ile</sup>, tRNA<sup>Thr</sup>, tRNA<sup>Asn</sup>, tRNA<sup>Lys</sup>, tRNA<sup>Ser</sup> and tRNA<sup>Arg</sup>.

#### Synonyms

t6A synthase; Kae1; ygjD (gene name); Qri7

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.3.1.234

#### Reaction

L-threonylcarbamoyladenylate + adenine<sup>37</sup> in tRNA = AMP + N6-L-threonylcarbamoyladenine<sup>37</sup> 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.