

## tRNA:m4X modification enzyme

Cat. No. EXWM-1828

Lot. No. (See product label)

### Introduction

#### Description

The enzyme from *Saccharomyces cerevisiae* 2'-O-methylates cytidine4 in tRNA<sup>Pro</sup> and tRNA<sup>Gly</sup>(GCC), and adenosine4 in tRNA<sup>His</sup>.

#### Synonyms

TRM13; Trm13p; tRNA:Xm4 modification enzyme

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.1.1.225

#### Reaction

(1) S-adenosyl-L-methionine + cytidine4 in tRNA<sup>Pro</sup> = S-adenosyl-L-homocysteine + 2'-O-methylcytidine4 in tRNA<sup>Pro</sup>; (2) S-adenosyl-L-methionine + cytidine4 in tRNA<sup>Gly</sup>(GCC) = S-adenosyl-L-homocysteine + 2'-O-methylcytidine4 in tRNA<sup>Gly</sup>(GCC); (3) S-adenosyl-L-methionine + adenosine4 in tRNA<sup>His</sup> = S-adenosyl-L-homocysteine + 2'-O-methyladenosine4 in tRNA<sup>His</sup>

#### 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.