

## trimethylamine-N-oxide reductase

Cat. No. EXWM-1599

Lot. No. (See product label)

### Introduction

#### Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on NADH or NADPH with a nitrogenous group as acceptor. The systematic name of this enzyme class is NADH:trimethylamine-N-oxide oxidoreductase. Other names in common use include trimethylamine N-oxide reductase, trimethylamine oxide reductase, TMAO reductase, and TOR. This enzyme participates in methane metabolism.

#### Synonyms

trimethylamine N-oxide reductase; trimethylamine oxide reductase; TMAO reductase; TOR

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.6.6.9

#### CAS No.

37256-34-1

#### Reaction

$\text{NADH} + \text{H}^+ + \text{trimethylamine N-oxide} = \text{NAD}^+ + \text{trimethylamine} + \text{H}_2\text{O}$

#### 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.