

## methylenetetrahydrofolate dehydrogenase (NAD+)

Cat. No. EXWM-1496

Lot. No. (See product label)

### Introduction

#### Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-NH group of donors with NAD<sup>+</sup> or NADP<sup>+</sup> as acceptor. The systematic name of this enzyme class is 5,10-methylenetetrahydrofolate:NAD<sup>+</sup> oxidoreductase. This enzyme is also called methylenetetrahydrofolate dehydrogenase (NAD<sup>+</sup>). This enzyme participates in one carbon pool by folate.

#### Synonyms

methylenetetrahydrofolate dehydrogenase (NAD<sup>+</sup>)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.5.1.15

#### CAS No.

82062-90-6

#### Reaction

5,10-methylenetetrahydrofolate + NAD<sup>+</sup> = 5,10-methenyltetrahydrofolate + NADH + H<sup>+</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.