

## methylenetetrahydrofolate dehydrogenase (NADP+)

Cat. No. EXWM-1531

Lot. No. (See product label)

### Introduction

#### Description

In eukaryotes, occurs as a trifunctional enzyme also having methenyltetrahydrofolate cyclohydrolase (EC 3.5.4.9) and formate-tetrahydrofolate ligase (EC 6.3.4.3) activity. In some prokaryotes occurs as a bifunctional enzyme also having methenyltetrahydrofolate cyclohydrolase activity (EC 3.5.4.9).

#### Synonyms

N5,N10-methylenetetrahydrofolate dehydrogenase; 5,10-methylenetetrahydrofolate:NADP oxidoreductase; 5,10-methylenetetrahydrofolate dehydrogenase; methylenetetrahydrofolate dehydrogenase; methylenetetrahydrofolate dehydrogenase (NADP)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.5.1.5

#### CAS No.

9029-14-5

#### Reaction

5,10-methylenetetrahydrofolate + NADP+ = 5,10-methenyltetrahydrofolate + NADPH + H+

#### 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.