

## dihydromethanopterin reductase [NAD(P)+]

Cat. No. EXWM-1528

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, characterized from the bacterium *Methylobacterium extorquens*, is involved in biosynthesis of dephospho-tetrahydromethanopterin. The specific activity with NADH is 15% of that with NADPH at the same concentration. It does not reduce 7,8-dihydrofolate (cf. EC 1.5.1.3, dihydrofolate reductase).

#### Synonyms

DmrA; H2MPT reductase; 5,6,7,8-tetrahydromethanopterin 5,6-oxidoreductase; dihydromethanopterin reductase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.5.1.47

#### Reaction

5,6,7,8-tetrahydromethanopterin + NAD(P)+ = 7,8-dihydromethanopterin + NAD(P)H + 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.