

## 4-methyl-5-nitrocatechol 5-monooxygenase

Cat. No. EXWM-0812

Lot. No. (See product label)

### Introduction

#### Description

Contains FAD. The enzyme, isolated from the bacterium Burkholderia sp. DNT, can use both NADH and NADPH, but prefers NADPH. It has a narrow substrate range, but can also act on 4-nitrocatechol.

#### Synonyms

dntB (gene name); 4-methyl-5-nitrocatechol oxygenase; MNC monooxygenase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.13.210

#### Reaction

4-methyl-5-nitrocatechol + NAD(P)H + H<sup>+</sup> + O<sub>2</sub> = 2-hydroxy-5-methylquinone + nitrite + NAD(P)<sup>+</sup> + H<sub>2</sub>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.