

## 2,4-dinitroanisole O-demethylase

Cat. No. EXWM-3999

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, characterized from the bacterium *Nocardioides* sp. JS1661, is involved in the degradation of 2,4-dinitroanisole. Unlike other known O-demethylases, such as EC 1.14.99.15, 4-methoxybenzoate monooxygenase (O-demethylating), or EC 1.14.11.32, codeine 3-O-demethylase, it does not require oxygen or electron donors, and produces methanol rather than formaldehyde.

#### Synonyms

2,4-dinitroanisole ether hydrolase; dnhA (gene name); dnhB (gene name); DNAN demethylase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.3.2.14

#### Reaction

2,4-dinitroanisole + H<sub>2</sub>O = methanol + 2,4-dinitrophenol

#### 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.