

## 4-hydroxyphenylacetate 3-monooxygenase

Cat. No. EXWM-0933

Lot. No. (See product label)

### Introduction

#### Description

The enzyme from Escherichia coli attacks a broad spectrum of phenolic compounds. The enzyme uses FADH<sub>2</sub> as a substrate rather than a cofactor. FADH<sub>2</sub> is provided by EC 1.5.1.36, flavin reductase (NADH).

#### Synonyms

p-hydroxyphenylacetate 3-hydroxylase; 4-hydroxyphenylacetic acid-3-hydroxylase; p-hydroxyphenylacetate hydroxylase (FAD); 4 HPA 3-hydroxylase; p-hydroxyphenylacetate 3-hydroxylase (FAD); HpaB

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.14.9

#### CAS No.

37256-71-6

#### Reaction

4-hydroxyphenylacetate + FADH<sub>2</sub> + O<sub>2</sub> = 3,4-dihydroxyphenylacetate + FAD + 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.