

## 3-(3-hydroxyphenyl)propanoate hydroxylase

Cat. No. EXWM-0727

Lot. No. (See product label)

### Introduction

#### Description

A flavoprotein (FAD). This enzyme participates in a meta-cleavage pathway employed by the bacterium *Escherichia coli* for the degradation of various phenylpropanoid compounds.

#### Synonyms

mhpA (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.13.127

#### Reaction

(1) 3-(3-hydroxyphenyl)propanoate + NADH + H<sup>+</sup> + O<sub>2</sub> = 3-(2,3-dihydroxyphenyl)propanoate + H<sub>2</sub>O + NAD<sup>+</sup>; (2) (2E)-3-(3-hydroxyphenyl)prop-2-enoate + NADH + H<sup>+</sup> + O<sub>2</sub> = (2E)-3-(2,3-dihydroxyphenyl)prop-2-enoate + H<sub>2</sub>O + NAD<sup>+</sup>

#### 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.