Creative Enzymes®

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+ + O2 = 3-(2,3-dihydroxyphenyl)propanoate + H2O + NAD+; (2) (2E)-3-(3-hydroxyphenyl)prop-2-enoate + NADH + H+ + O2 = (2E)-3-(2,3-dihydroxyphenyl)prop-2-enoate + H2O + NAD+
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.