Creative Enzymes®

# 4-hydroxyphenylacetate 1-monooxygenase

*Cat. No. EXWM-0778*

*Lot. No.* (See product label)

## Introduction

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|---|---|
| ***Description*** | A flavoprotein (FAD). Also acts on 4-hydroxyhydratropate (forming 2-methylhomogentisate) and on 4-hydroxyphenoxyacetate (forming hydroquinone and glycolate). |
| ***Synonyms*** | 4-hydroxyphenylacetate 1-hydroxylase; 4-hydroxyphenylacetic 1-hydroxylase; 4-HPA 1-hydroxylase |

## Product Information

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|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 1.14.13.18 |
| ***CAS No.*** | 55326-44-8 |
| ***Reaction*** | 4-hydroxyphenylacetate + NAD(P)H + H+ + O2 = homogentisate + NAD(P)+ + H2O |
| ***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

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| ***Storage*** | Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃. |