Creative Enzymes®

# phosphonopyruvate hydrolase

*Cat. No.* EXWM-3776

*Lot. No.* (See product label)

## Introduction

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|---|---|
| ***Description*** | Highly specific for phosphonopyruvate as substrate. The reaction is not inhibited by phosphate but is inhibited by the phosphonates phosphonoformic acid, hydroxymethylphosphonic acid and 3-phosphonopropanoic acid. The enzyme is activated by the divalent cations Co2+, Mg2+ and Mn2+. This enzyme is a member of the phosphoenolpyruvate mutase/isocitrate lyase superfamily. |
| ***Synonyms*** | PPH |

## Product Information

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|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 3.11.1.3 |
| ***Reaction*** | 3-phosphonopyruvate + H2O = pyruvate + phosphate |
| ***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 ℃. |