Creative Enzymes®

# D-sedoheptulose 7-phosphate isomerase

*Cat. No. EXWM-5467*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | In Gram-negative bacteria the enzyme is involved in biosynthesis of ADP-L-glycero-β-D-manno-heptose, which is utilized for assembly of the lipopolysaccharide inner core. In Gram-positive bacteria the enzyme is involved in biosynthesis of GDP-D-glycero-α-D-manno-heptose, which is required for assembly of S-layer glycoprotein. |
| ***Synonyms*** | sedoheptulose-7-phosphate isomerase; phosphoheptose isomerase; gmhA (gene name); lpcA (gene name) |

## Product Information

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| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 5.3.1.28 |
| ***Reaction*** | D-sedoheptulose 7-phosphate = D-glycero-D-manno-heptose 7-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 ℃. |