Creative Enzymes®

# D-glycero-α-D-manno-heptose 1,7-bisphosphate 7-phosphatase

*Cat. No. EXWM-3689*

*Lot. No.* (See product label)

## Introduction

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|---|---|
| ***Description*** | The enzyme is involved in biosynthesis of GDP-D-glycero-α-D-manno-heptose, which is required for assembly of S-layer glycoprotein in some Gram-positive bacteria. The in vitro catalytic efficiency of the enzyme from Bacteroides thetaiotaomicron is 6-fold higher with the α-anomer than with the β-anomer. |
| ***Synonyms*** | gmhB (gene name) |

## Product Information

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| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 3.1.3.83 |
| ***Reaction*** | D-glycero-α-D-manno-heptose 1,7-bisphosphate + H2O = D-glycero-α-D-manno-heptose 1-phosphate + 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 ℃. |