Creative Enzymes®

# UDP-2-acetamido-2-deoxy-ribo-hexuluronate aminotransferase

*Cat. No. EXWM-2939*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | A pyridoxal 5'-phosphate protein. This enzyme participates in the biosynthetic pathway for UDP-α-D-ManNAc3NAcA (UDP-2,3-diacetamido-2,3-dideoxy-α-D-mannuronic acid), an important precursor of B-band lipopolysaccharide. The enzymes from Pseudomonas aeruginosa serotype O5 and Thermus thermophilus form a complex with the previous enzyme in the pathway, EC 1.1.1.335 (UDP-N-acetyl-2-amino-2-deoxyglucuronate oxidase). |
| ***Synonyms*** | WbpE; WlbC |

## Product Information

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| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 2.6.1.98 |
| ***Reaction*** | UDP-2-acetamido-3-amino-2,3-dideoxy-α-D-glucuronate + 2-oxoglutarate = UDP-2-acetamido-2-deoxy-α-D-ribo-hex-3-uluronate + L-glutamate |
| ***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 ℃. |