

## UDP-N-acetylglucosamine 6-dehydrogenase

Cat. No. EXWM-0040

Lot. No. (See product label)

### Introduction

**Description** This enzyme participates in the biosynthetic pathway for UDP- $\alpha$ -D-ManNAc3NAcA (UDP-2,3-diacetamido-2,3-dideoxy- $\alpha$ -D-mannuronic acid), an important precursor of B-band lipopolysaccharide.

**Synonyms** uridine diphosphoacetylglucosamine dehydrogenase; UDP-acetylglucosamine dehydrogenase; UDP-2-acetamido-2-deoxy-D-glucose:NAD oxidoreductase; UDP-GlcNAc dehydrogenase; WbpA; WbpO

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.1.136

**CAS No.** 9054-83-5

**Reaction**  $\text{UDP-N-acetyl-}\alpha\text{-D-glucosamine} + 2 \text{ NAD}^+ + \text{H}_2\text{O} = \text{UDP-2-acetamido-2-deoxy-}\alpha\text{-D-glucuronate} + 2 \text{ NADH} + 2 \text{ H}^+$

**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

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