

## UDP-N-acetylglucosamine 4,6-dehydratase (configuration-retaining)

Cat. No. EXWM-4976

Lot. No. (See product label)

### Introduction

**Description** Contains NAD<sup>+</sup> as a cofactor. This is the first enzyme in the biosynthetic pathway of N,N'-diacetylbaucillosamine, the first carbohydrate in the glycoprotein N-linked heptasaccharide in *Campylobacter jejuni*. This enzyme belongs to the short-chain dehydrogenase/reductase family of enzymes.

**Synonyms** PglF

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 4.2.1.135

**Reaction** UDP-N-acetyl- $\alpha$ -D-glucosamine = UDP-2-acetamido-2,6-dideoxy- $\alpha$ -D-xylo-hex-4-ulose + H<sub>2</sub>O

**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.