

## UDP-N-acetylglucosamine 2-epimerase (non-hydrolysing)

Cat. No. EXWM-5399

Lot. No. (See product label)

### Introduction

#### Description

This bacterial enzyme catalyses the reversible interconversion of UDP-GlcNAc and UDP-ManNAc. The latter is used in a variety of bacterial polysaccharide biosyntheses.cf. EC 3.2.1.183, UDP-N-acetylglucosamine 2-epimerase (hydrolysing).

#### Synonyms

UDP-N-acetylglucosamine 2'-epimerase (ambiguous); uridine diphosphoacetylglucosamine 2'-epimerase (ambiguous); uridine diphospho-N-acetylglucosamine 2'-epimerase (ambiguous); uridine diphosphate-N-acetylglucosamine-2'-epimerase (ambiguous); rffE (gene name); mnaA (gene name); UDP-N-acetyl-D-glucosamine 2-epimerase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 5.1.3.14

#### CAS No.

9037-71-2

#### Reaction

UDP-N-acetyl- $\alpha$ -D-glucosamine = UDP-N-acetyl- $\alpha$ -D-mannosamine

#### 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.