

## UDP-GlcNAc 4-epimerase from Plesiomonas shigelloides O17, Recombinant

Cat. No. NATE-1497

Lot. No. (See product label)

### Introduction

#### Description

In enzymology, an UDP-N-acetylglucosamine 4-epimerase (EC 5.1.3.7) is an enzyme that catalyzes the chemical reaction: UDP-N-acetyl-D-glucosamine → UDP-N-acetyl-D-galactosamine. Hence, this enzyme has one substrate, UDP-N-acetyl-D-glucosamine, and one product, UDP-N-acetyl-D-galactosamine. This enzyme belongs to the family of isomerases, specifically those racemases and epimerases acting on carbohydrates and derivatives.

#### Synonyms

UDP-N-acetyl-D-glucosamine 4-epimerase; UDP acetylglucosamine epimerase; uridine diphosphoacetylglucosamine epimerase; uridine diphosphate N-acetylglucosamine-4-epimerase; uridine 5'-diphospho-N-acetylglucosamine-4-epimerase

### Product Information

#### Species

Plesiomonas shigelloides O17

#### Source

E. coli

#### EC Number

EC 5.1.3.7

#### CAS No.

9024-16-2

#### Molecular Weight

38 kDa

#### Purity

min 95% by SDS-PAGE

#### Unit Definition

One unit is defined as the amount of enzyme that catalyzes the formation of 1 μmol of UDP-GalNAc from UDP-GlcNAc per minute at 37 °C.