

## $\alpha$ -1,2-colitosyltransferase

Cat. No. EXWM-2580

Lot. No. (See product label)

### Introduction

**Description** The enzyme, characterized from the bacterium Escherichia coli O55:H7, participates in the biosynthesis of an O-antigen. The reaction involves anomeric inversion, and does not require any metal ions. The enzyme is highly specific towards the acceptor, exclusively recognizing lacto-N-biose, but can accept GDP-L-fucose as the donor with almost the same activity as with GDP- $\beta$ -L-colitose.

**Synonyms** wbgN (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.4.1.341

**Reaction** GDP- $\beta$ -L-colitose +  $\beta$ -D-galactopyranosyl-(1 $\rightarrow$ 3)-N-acetyl-D-glucosamine = GDP +  $\alpha$ -L-colitosyl-(1 $\rightarrow$ 2)- $\beta$ -D-galactosyl-(1 $\rightarrow$ 3)-N-acetyl-D-glucosamine

**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.