Creative Enzymes®

α-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-β-L-colitose.
Synonyms	wbgN (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.341
Reaction	GDP-β-L-colitose + β-D-galactopyranosyl-(1→3)-N-acetyl-D-glucosamine = GDP + α-L-colitosyl-(1→2)-β-D-galactosyl-(1→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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.