

## UDP-Gal:α-D-GlcNAc-diphosphoundecaprenol β-1,4-galactosyltransferase

Cat. No. EXWM-2539

Lot. No. (See product label)

### Introduction

#### Description

The enzyme is involved in the the biosynthesis of the O-polysaccharide repeating unit of the bacterium *Shigella boydii* B14. The activity is stimulated by Mn<sup>2+</sup> or to a lesser extent by Mg<sup>2+</sup>, Ca<sup>2+</sup>, Ni<sup>2+</sup> or Pb<sup>2+</sup>.

#### Synonyms

WfeD; UDP-Gal:GlcNAc-R 1,4-Gal-transferase; UDP-Gal:GlcNAc-pyrophosphate-lipid β-1,4-galactosyltransferase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.4.1.304

#### Reaction

UDP-α-D-galactose + N-acetyl-α-D-glucosaminyldiphospho-ditrans,octacis-undecaprenol = UDP + β-D-Gal-(1→4)-α-D-GlcNAc-diphospho-ditrans,octacis-undecaprenol

#### 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.