

## undecaprenyl-diphosphooligosaccharide-protein glycotransferase

Cat. No. EXWM-2703

Lot. No. (See product label)

### Introduction

#### Description

A bacterial enzyme that has been isolated from *Campylobacter jejuni* and *Campylobacter lari*. It forms a glycoprotein by the transfer of a glucosyl-N-acetylgalactosaminyl-N,N'-diacetyl bacillosamine (GalNAc2(Glc)GalNAc3diNAcBac) polysaccharide and related oligosaccharides to the side-chain of an L-asparagine residue in the sequence -Asp/Glu-Xaa-Asn-Xaa'-Ser/Thr- (Xaa and Xaa' not Pro) in nascent polypeptide chains. Requires Mn<sup>2+</sup> or Mg<sup>2+</sup>. Occurs on the external face of the plasma membrane. The polyprenol involved is normally tritrans,heptacis-undecaprenol but a decaprenol is used by some species.

#### Synonyms

PglB

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.4.99.19

#### Reaction

tritrans,heptacis-undecaprenyl diphosphooligosaccharide + [protein]-L-asparagine = tritrans,heptacis-undecaprenyl diphosphate + a glycoprotein with the oligosaccharide chain attached by N-β-D-glycosyl linkage to protein L-asparagine

#### 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.