Creative Enzymes®

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'-diacetylbacillosamine (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 Mn2+ or Mg2+. 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.