Creative Enzymes®

rhamnopyranosyl-N-acetylglucosaminyl-diphospho-decaprenol β-1,3/1,4-galactofuranosyltransferase

Cat. No. EXWM-2520

Lot. No. (See product label)

Introduction

Description	Isolated from Mycobacterium tuberculosis and M. smegmatis, the enzyme has dual β-(1→4) and β-(1→5) transferase action. Involved in the formation of the cell wall in mycobacteria.
Synonyms	arabinogalactan galactofuranosyl transferase 1; GlfT1

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.287
Reaction	2 UDP-α-D-galactofuranose + α-L-rhamnopyranosyl-(1→3)-N-acetyl-α-D-glucosaminyl-diphospho-trans,octacis-decaprenol = 2 UDP + β-D-galactofuranosyl-(1→5)-β-D-galactofuranosyl-(1→4)-α-L-rhamnopyranosyl-(1→3)-N-acetyl-α-D-glucosaminyl-diphospho-trans,octacis-decaprenol (overall reaction); (1a) UDP-α-D-galactofuranose + α-L-rhamnopyranosyl-(1→3)-N-acetyl-α-D-glucosaminyl-diphospho-trans-octacis-decaprenol = UDP + β-D-galactofuranosyl-(1→4)-α-L-rhamnopyranosyl-(1→3)-N-acetyl-α-D-glucosaminyl-diphospho-trans-octacis-decaprenol; (1b) UDP-α-D-galactofuranose + β-D-galactofuranosyl-(1→4)-α-L-rhamnopyranosyl-(1→3)-N-acetyl-α-D-glucosaminyl-diphospho-trans-octacis-decaprenol = UDP + β-D-galactofuranosyl-(1→5)-β-D-galactofuranosyl-(1→4)-α-L-rhamnopyranosyl-(1→3)-N-acetyl-α-D-glucosaminyl-diphospho-trans-octacis-decaprenol
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 ℃.