Creative Enzymes®

4-galactosyl-N-acetylglucosaminide 3-α-L-fucosyltransferase

Cat. No. EXWM-2378

Lot. No. (See product label)

Introduction

Description	Normally acts on a glycoconjugate where R (see reaction) is a glycoprotein or glycolipid. This enzyme fucosylates on O-3 of an N-acetylglucosamine that carries a galactosyl group on O-4, unlike EC 2.4.1.65, 3-galactosyl-N-acetylglucosaminide 4-α-L-fucosyltransferase, which fucosylates on O-4 of an N-acetylglucosamine that carries a galactosyl group on O-3.
Synonyms	Lewis-negative α-3-fucosyltransferase; plasma α-3-fucosyltransferase; guanosine diphosphofucose-glucoside α1→3-fucosyltransferase; galactoside 3-fucosyltransferase; GDP-L-fucose:1,4-β-D-galactosyl-N-acetyl-D-glucosaminyl-R 3-L-fucosyltransferase; GDP-β-L-fucose:1,4-β-D-galactosyl-N-acetyl-D-glucosaminyl-R 3-L-fucosyltransferase; GDP-β-L-fucose:1,4-β-D-galactosyl-N-acetyl-D-glucosaminyl-R 3-α-L-fucosyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.152
CAS No.	39279-34-0
Reaction	GDP-β-L-fucose + (1→4)-β-D-galactosyl-N-acetyl-D-glucosaminyl-R = GDP + (1→4)-β-D-galactosyl-[α-(1→3)-L-fucosyl]-N-acetyl-D-glucosaminyl-R
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 ℃.