

## 4-galactosyl-N-acetylglucosaminide 3- $\alpha$ -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- $\alpha$ -L-fucosyltransferase, which fucosylates on O-4 of an N-acetylglucosamine that carries a galactosyl group on O-3.

#### Synonyms

Lewis-negative  $\alpha$ -3-fucosyltransferase; plasma  $\alpha$ -3-fucosyltransferase; guanosine diphosphofucose-glucoside  $\alpha$ 1 $\rightarrow$ 3-fucosyltransferase; galactoside 3-fucosyltransferase; GDP-L-fucose:1,4- $\beta$ -D-galactosyl-N-acetyl-D-glucosaminyl-R 3-L-fucosyltransferase; GDP- $\beta$ -L-fucose:1,4- $\beta$ -D-galactosyl-N-acetyl-D-glucosaminyl-R 3-L-fucosyltransferase; GDP- $\beta$ -L-fucose:1,4- $\beta$ -D-galactosyl-N-acetyl-D-glucosaminyl-R 3- $\alpha$ -L-fucosyltransferase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.4.1.152

#### CAS No.

39279-34-0

#### Reaction

$\text{GDP-}\beta\text{-L-fucose} + (1\rightarrow4)\text{-}\beta\text{-D-galactosyl-N-acetyl-D-glucosaminyl-R} = \text{GDP} + (1\rightarrow4)\text{-}\beta\text{-D-galactosyl-}[\alpha\text{-(1}\rightarrow3)\text{-L-fucosyl}]\text{-N-acetyl-D-glucosaminyl-R}$

#### 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.