

## N-acetylneuraminylgalactosylglucosylceramide $\beta$ -1,4-N-acetylgalactosaminyltransferase

Cat. No. EXWM-2390

Lot. No. (See product label)

### Introduction

#### Description

Requires  $Mn^{2+}$ . Only substances containing sialic acid residues can act as acceptors; bovine fetuin is the best acceptor tested.

#### Synonyms

uridine diphosphoacetylgalactosamine-acetylneuraminyl( $\alpha 2 \rightarrow 3$ )galactosyl( $\beta 1 \rightarrow 4$ )glucosyl  $\beta 1 \rightarrow 4$ -acetylgalactosaminyltransferase; UDP-N-acetyl-D-galactosamine:N-acetylneuraminyl-2,3- $\alpha$ -D-galactosyl-1,4- $\beta$ -D-glucosylceramide  $\beta$ -1,4-N-acetylgalactosaminyltransferase; UDP-N-acetyl-D-galactosamine:N-acetylneuraminyl-(2 $\rightarrow$ 3)- $\alpha$ -D-galactosyl-(1 $\rightarrow$ 4)- $\beta$ -D-glucosyl(1 $\leftrightarrow$ 1)ceramide 4- $\beta$ -N-acetylgalactosaminyltransferase; UDP-N-acetyl-D-galactosamine:N-acetylneuraminyl-(2 $\rightarrow$ 3)- $\alpha$ -D-galactosyl-(1 $\rightarrow$ 4)- $\beta$ -D-glucosyl-(1 $\leftrightarrow$ 1)-ceramide 4- $\beta$ -N-acetylgalactosaminyltransferase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.4.1.165

#### CAS No.

109136-50-7

#### Reaction

UDP-N-acetyl- $\alpha$ -D-galactosamine +  $\alpha$ -N-acetylneuraminyl-(2 $\rightarrow$ 3)- $\beta$ -D-galactosyl-(1 $\rightarrow$ 4)- $\beta$ -D-glucosyl-(1 $\leftrightarrow$ 1)-ceramide = UDP + N-acetyl- $\beta$ -D-galactosaminyl-(1 $\rightarrow$ 4)-[ $\alpha$ -N-acetylneuraminyl-(2 $\rightarrow$ 3)]- $\beta$ -D-galactosyl-(1 $\rightarrow$ 4)- $\beta$ -D-glucosyl-(1 $\leftrightarrow$ 1)-ceramide

#### 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.