

## glucosaminylgalactosylglucosylceramide $\beta$ -galactosyltransferase

Cat. No. EXWM-2626

Lot. No. (See product label)

### Introduction

**Description** This enzyme belongs to the family of glycosyltransferases, specifically the hexosyltransferases.

**Synonyms** uridine diphosphogalactose-acetyl-glucosaminylgalactosylglucosylceramide galactosyltransferase; GalT-4; paragloboside synthase; glucosaminylgalactosylglucosylceramide 4- $\beta$ -galactosyltransferase; lactotriaosylceramide 4- $\beta$ -galactosyltransferase; UDP-galactose:N-acetyl-D-glucosaminyl-1,3-D-galactosyl-1,4-D-glucosylceramide  $\beta$ -D-galactosyltransferase; UDP-Gal:LcOse3Cer( $\beta$  1-4)galactosyltransferase; UDP-galactose:N-acetyl-D-glucosaminyl-(1 $\rightarrow$ 3)-D-galactosyl-(1 $\rightarrow$ 4)-D-glucosylceramide 3- $\beta$ -D-galactosyltransferase; UDP-galactose:N-acetyl- $\beta$ -D-glucosaminyl-(1 $\rightarrow$ 3)- $\beta$ -D-galactosyl-(1 $\rightarrow$ 4)- $\beta$ -D-glucosylceramide 3- $\beta$ -D-galactosyltransferase; UDP-galactose:N-acetyl- $\beta$ -D-glucosaminyl-(1 $\rightarrow$ 3)- $\beta$ -D-galactosyl-(1 $\rightarrow$ 4)- $\beta$ -D-glucosyl(1 $\leftrightarrow$ 1)ceramide 3- $\beta$ -D-galactosyltransferase; UDP-galactose:N-acetyl- $\beta$ -D-glucosaminyl-(1 $\rightarrow$ 3)- $\beta$ -D-galactosyl-(1 $\rightarrow$ 4)- $\beta$ -D-glucosyl-(1 $\leftrightarrow$ 1)-ceramide 3- $\beta$ -D-galactosyltransferase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.4.1.86

**CAS No.** 9073-46-5

**Reaction** UDP- $\alpha$ -D-galactose + N-acetyl- $\beta$ -D-glucosaminyl-(1 $\rightarrow$ 3)- $\beta$ -D-galactosyl-(1 $\rightarrow$ 4)- $\beta$ -D-glucosyl-(1 $\leftrightarrow$ 1)-ceramide = UDP +  $\beta$ -D-galactosyl-(1 $\rightarrow$ 3)-N-acetyl- $\beta$ -D-glucosaminyl-(1 $\rightarrow$ 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.