

## neolactotriaosylceramide $\beta$ -1,4-galactosyltransferase

Cat. No. EXWM-2507

Lot. No. (See product label)

### Introduction

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

**Synonyms**  $\beta$ 4Gal-T4; UDP-galactose:N-acetyl- $\beta$ -D-glucosaminyl-(1 $\rightarrow$ 3)- $\beta$ -D-galactosyl-(1 $\rightarrow$ 4)- $\beta$ -D-glucosyl-(1 $\leftrightarrow$ 1)-ceramide  $\beta$ -1,4-galactosyltransferase; lactotriaosylceramide  $\beta$ -1,4-galactosyltransferase (incorrect)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.4.1.275

**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 $\rightarrow$ 4)-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.