

## N-acetyllactosaminide 3- $\alpha$ -galactosyltransferase

Cat. No. EXWM-2627

Lot. No. (See product label)

### Introduction

**Description** Acts on  $\beta$ -galactosyl-1,4-N-acetylglucosaminyl termini on asialo- $\alpha$ 1-acid glycoprotein and N-acetyllactosamine ( $\beta$ -D-galactosyl-1,4-N-acetyl- $\beta$ -D-glucosamine), but not on 2'-fucosylated-N-acetyllactosamine. The non-reducing terminal N-acetyllactosamine residues of glycoproteins can also act as acceptor. Now includes EC 2.4.1.124 and EC 2.4.1.151.

**Synonyms**  $\alpha$ -galactosyltransferase; UDP-Gal: $\beta$ -D-Gal(1,4)-D-GlcNAc  $\alpha$ (1,3)-galactosyltransferase; UDP-Gal:N-acetyllactosaminide  $\alpha$ (1,3)-galactosyltransferase; UDP-Gal:N-acetyllactosaminide  $\alpha$ -1,3-D-galactosyltransferase; UDP-Gal:Gal $\beta$ 1 $\rightarrow$ 4GlcNAc-R  $\alpha$ 1 $\rightarrow$ 3-galactosyltransferase; UDP-galactose-acetyllactosamine  $\alpha$ -D-galactosyltransferase; UDPgalactose: $\beta$ -D-galactosyl- $\beta$ -1,4-N-acetyl-D-glucosaminyl-glycopeptide  $\alpha$ -1,3-D-galactosyltransferase; glucosaminylglycopeptide  $\alpha$ -1,3-galactosyltransferase; uridine diphosphogalactose-acetyllactosamine  $\alpha$ 1 $\rightarrow$ 3-galactosyltransferase; uridine diphosphogalactose-acetyllactosamine galactosyltransferase; uridine diphosphogalactose-galactosylacetylglucosaminylgalactosylglucosylceramide galactosyltransferase;  $\beta$ -D-galactosyl-N-acetylglucosaminylglycopeptide  $\alpha$ -1,3-galactosyltransferase; UDP-galactose:N-acetyllactosaminide 3- $\alpha$ -D-galactosyltransferase; UDP-galactose: $\beta$ -D-galactosyl-1,4- $\beta$ -N-acetyl-D-glucosaminyl-R 3- $\alpha$ -D-galactosyltransferase; UDP-galactose: $\beta$ -D-galactosyl-(1 $\rightarrow$ 4)- $\beta$ -N-acetyl-D-glucosaminyl-R 3- $\alpha$ -D-galactosyltransferase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.4.1.87

**CAS No.** 128449-51-4

**Reaction** UDP- $\alpha$ -D-galactose +  $\beta$ -D-galactosyl-(1 $\rightarrow$ 4)- $\beta$ -N-acetyl-D-glucosaminyl-R = UDP +  $\alpha$ -D-galactosyl-(1 $\rightarrow$ 3)- $\beta$ -D-galactosyl-(1 $\rightarrow$ 4)- $\beta$ -N-acetylglucosaminyl-R (where R can be OH, an oligosaccharide or a glycoconjugate)

**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.