

## N-acetyl- $\beta$ -glucosaminyl-glycoprotein 4- $\beta$ -N-acetylgalactosaminyltransferase

Cat. No. EXWM-2473

Lot. No. (See product label)

### Introduction

**Description** The enzyme from human can transfer N-acetyl-D-galactosamine (GalNAc) to N-glycan and O-glycan substrates that have N-acetyl-D-glucosamine (GlcNAc) but not D-glucuronic acid (GlcUA) at their non-reducing end. The N-acetyl- $\beta$ -D-glucosaminyl group is normally on a core oligosaccharide although benzyl glycosides have been used in enzyme-characterization experiments. Some glycohormones, e.g. lutropin and thyrotropin contain the N-glycan structure containing the N-acetyl- $\beta$ -D-galactosaminyl-(1 $\rightarrow$ 4)-N-acetyl- $\beta$ -D-glucosaminyl group.

**Synonyms**  $\beta$ 1,4-N-acetylgalactosaminyltransferase III;  $\beta$ 4GalNAc-T3;  $\beta$ 1,4-N-acetylgalactosaminyltransferase IV;  $\beta$ 4GalNAc-T4; UDP-N-acetyl-D-galactosamine:N-acetyl-D-glucosaminyl-group  $\beta$ -1,4-N-acetylgalactosaminyltransferase; UDP-N-acetyl-D-galactosamine:N-acetyl- $\beta$ -D-glucosaminyl-group 4- $\beta$ -N-acetylgalactosaminyltransferase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.4.1.244

**Reaction** UDP-N-acetyl- $\alpha$ -D-galactosamine + N-acetyl- $\beta$ -D-glucosaminyl group = UDP + N-acetyl- $\beta$ -D-galactosaminyl-(1 $\rightarrow$ 4)-N-acetyl- $\beta$ -D-glucosaminyl group

**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.