

## N-acetyllactosamine synthase

Cat. No. EXWM-2630

Lot. No. (See product label)

### Introduction

**Description** The reaction is catalysed by a component of EC 2.4.1.22 (lactose synthase), which is identical with EC 2.4.1.38 ( $\beta$ -N-acetylglucosaminyl-glycopeptide  $\beta$ -1,4-galactosyltransferase), and by an enzyme from the Golgi apparatus of animal tissues. Formerly listed also as EC 2.4.1.98.

**Synonyms** UDP-galactose-N-acetylglucosamine  $\beta$ -D-galactosyltransferase; uridine diphosphogalactose-acetylglucosamine galactosyltransferase;  $\beta$ -1,4-galactosyltransferase; acetyllactosamine synthetase; lactosamine synthase; lactosamine synthetase; lactose synthetase A protein; N-acetyllactosamine synthetase; UDP-galactose N-acetylglucosamine  $\beta$ -4-galactosyltransferase; UDP-galactose-acetylglucosamine galactosyltransferase; UDP-galactose-N-acetylglucosamine  $\beta$ -1,4-galactosyltransferase; UDP-galactose-N-acetylglucosamine galactosyltransferase;  $\beta$ 1-4-galactosyltransferase; UDP-Gal:N-acetylglucosamine  $\beta$ 1-4-galactosyltransferase;  $\beta$ 1-4GalT; NAL synthetase; UDP- $\beta$ -1,4-galactosyltransferase; Gal-T; UDP-galactose:N-acetylglucosaminide  $\beta$ 1-4-galactosyltransferase; UDPgalactose:N-acetylglucosaminyl( $\beta$ 1-4)galactosyltransferase;  $\beta$ -N-acetylglucosaminide  $\beta$ 1-4-galactosyltransferase; UDP-galactose:N-acetyl-D-glucosamine 4- $\beta$ -D-galactosyltransferase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.4.1.90

**CAS No.** 9054-94-8

**Reaction** UDP- $\alpha$ -D-galactose + N-acetyl-D-glucosamine = UDP + N-acetyllactosamine

**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.