Creative Enzymes®

β-1,4-Galactosyltransferase from Neisseria meningitides, Recombinant

Cat. No. NATE-1478

Lot. No. (See product label)

Introduction

Description	β-1,4-Galactosyl Transferase catalyzes the transfer of galactose from UDP-galactose to the terminal N-acetylglucosamine residues on elongating oligosaccharide chains. It is also considered to be a biosynthetic enzyme of the Golgi apparatus. β-1,4-Galactosyl Transferase can also be found on the cell surface functioning as a cell-adhesion molecule during various cellular interactions by binding to N-acetylglucosamine containing oligosaccharide substrates or ligands in the extracellular matrix.
Synonyms	lactose synthase; UDP-α-D-galactose-glucose galactosyltransferase; N-acetyllactosamine synthase; uridine diphosphogalactose-glucose galactosyltransferase; lactose synthetase; UDP-galactose:D-glucose 4-β-D-galactotransferase; UDP-galactose:D-glucose 4-β-D-galactosyltransferase

Product Information

Species	Neisseria meningitides
Source	E. coli
EC Number	EC 2.4.1.90
CAS No.	9054-94-8
Molecular Weight	34 kDa
Purity	min 95% by SDS-PAGE
Unit Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μmol of Galβ1,4GlcNAc from UDP-Gal and GlcNAc per minute at 37 °C.