Creative Enzymes®

β-1,3-galactosyltransferase from Campylobacter jejuni, Recombinant

Cat. No. NATE-1488

Lot. No. (See product label)

Introduction

Description	Beta-1,3-galactosyltransferase that transfers galactose from UDP-galactose to substrates with a terminal beta-N-acetylglucosamine (beta-GlcNAc) residue. Can also utilize substrates with a terminal galactose residue, albeit with lower efficiency. Involved in the biosynthesis of the carbohydrate moieties of glycolipids and glycoproteins. Inactive towards substrates with terminal alpha-N-acetylglucosamine (alpha-GlcNAc) or alpha-N-acetylgalactosamine (alpha-GalNAc) residues.
Synonyms	UDP-galactose-ceramide galactosyltransferase; uridine diphosphogalactose-ceramide galactosyltransferase; UDP galactose-LAC Tet-ceramide α-galactosyltransferase; UDP-galactose-GM2 galactosyltransferase; uridine diphosphogalactose-GM2 galactosyltransferase; GM1-synthase; ganglioside galactosyltransferase; EC 2.4.1.62; CgtB

Product Information

Species	Campylobacter jejuni
Source	E. coli
EC Number	EC 2.4.1.62
CAS No.	37217-28-0
Purity	min 95% by SDS-PAGE
Unit Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μmol Galβ1,3Gal from Gal and UDP-Gal per min at 37°C.