

Native Bovine β -1,4-Galactosyl Transferase

Cat. No. NATE-0760

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; EC 2.4.1.22; 9030-11-9

Product Information

Species Bovine

Source Bovine milk

EC Number EC 2.4.1.22

CAS No. 9030-11-9

Molecular Weight Mr ~44000

Activity > 0.6 units/mg

Unit Definition 1 U correspond to the amount of enzyme which transfers 1 μ mol galactose from UDP-galactose to D-glucose per minute at pH 8.4 and 30°C in the presence of α -lactalbumin

Storage and Shipping Information

Storage -20°C