

Beta1, 4-Galactosyltransferase (LgtB)

Product Information

Cat#	DIA-656
Descriptions	Beta1, 4-galactosyltransferase (LgtB) is a prokaryotic glycosyltransferase that efficiently catalyzes β -1,4 galactosylation of N-acetylglucosamine residues, enables rapid construction of N-acetyllactosamine structures, and is widely used in large-scale oligosaccharide synthesis.
Applications	Beta1, 4-galactosyltransferase (LgtB) is widely applied in N-acetyllactosamine structure detection kits and large-scale oligosaccharide synthesis assay reagent development.
CAS No.	9054-94-8
Enzyme Commission Number	EC 2.4.1.90
Enzyme Source	Recombinant microorganism
Synonyms	Acetyllactosamine synthetase. N-acetylglucosamine (beta-1,4)galactosyltransferase. Nal synthetase. UDP-galactose-N-acetylglucosamine beta-D-galactosyltransferase. UDP-galactose-N-acetylglucosamine beta-D-galactosyltransferase.
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μ mol UDP from UDP-Gal per minute at 37 °C.