

Beta-1, 4-Galactosyltransferase 1 (B4GALT1)

Product Information

Cat#	DIA-642
Descriptions	Beta-1, 4-Galactosyltransferase 1 (B4GALT1) is a canonical glycosyltransferase that catalyzes β -1,4 galactosylation of N-acetylglucosamine acceptors to form N-acetyllactosamine units, and serves as a standard tool enzyme for glycan chain extension and glycoprotein remodeling.
Applications	Beta-1, 4-Galactosyltransferase 1 (B4GALT1) is widely applied in glycoprotein glycosylation remodeling detection kits and glycan chain extension assay reagent development.
CAS No.	24-01-3801
Enzyme Commission Number	EC 2.4.1.38
Enzyme Source	Trichoplusia ni, High Five (baculovirus)-derived human beta-1,4-Galactosyltran.
Reaction	N-acetyl-beta-D-glucosaminyl derivative + UDP-alpha-D-galactose = beta-D-galactosyl-(1->4)-N-acetyl-beta-D-glucosaminyl derivative + H ⁺ + UDP
Activity Definition	Measured by its ability to transfer galactose from UDP-galactose to N-Acetyl-alpha -D-glucosamine.