

Beta-1, 3-Galactosyltransferase 5 (B3GALT5)

Product Information

Cat#	DIA-636
Descriptions	Beta-1, 3-galactosyltransferase 5 (B3GALT5) catalyzes the formation of β -1,3 linked galactose residues on glycan acceptors, participates in the synthesis of type 1 chain glycans and lactosylceramide derivatives, and is a critical tool for glycosphingolipid biosynthesis and glycan structure remodeling.
Applications	Beta-1, 3-galactosyltransferase 5 (B3GALT5) serves as a key tool for glycosphingolipid detection kit development and type 1 glycan chain assay reagent preparation.
CAS No.	24-1-1003
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived human B3GALT5 protein.
Reaction	Globoside Gb4Cer (d18:1 (4E)) + UDP-alpha-D-galactose = globoside GalGb4Cer (d18:1 (4E)) + H ⁺ + UDP
Activity Definition	Measured by its ability to transfer galactose from UDP-galactose to N-Acetyl-alpha -D-glucosamine.