

Beta-1, 3-Glucuronyltransferase 1 (B3GAT1)

Product Information

Cat#	DIA-637
Descriptions	Beta-1, 3-Glucuronyltransferase 1 (B3GAT1) specifically transfers glucuronic acid to form β -1,3 glycosidic linkages, is responsible for the biosynthesis of the HNK-1 carbohydrate epitope, and is extensively used in neural glycan research and functional oligosaccharide preparation.
Applications	Beta-1, 3-Glucuronyltransferase 1 (B3GAT1) is applied in HNK-1 glycan epitope detection kit development and neural glycan assay reagent development.
CAS No.	24-2-13546
Enzyme Commission Number	EC 2.4.1.135
Enzyme Source	CHO-derived
Reaction	3-O- (beta-D-galactosyl- (1->3)-beta-D-galactosyl- (1->4)-beta-D-xylosyl)-L-seryl-[protein] + UDP-alpha-D-glucuronate = 3-O- (beta-D-GlcA- (1->3)-beta-D-Gal- (1->3)-beta-D-Gal- (1->4)-beta-D-Xyl)-L-seryl-[protein] + H ⁺ + UDP
Activity Definition	Measured by its ability to transfer GlcA from UDP-GlcA to lactose.