

Beta-1, 4-Glucuronyltransferase 1 (B4GAT1)

Product Information

Cat#	DIA-645
Descriptions	Beta-1, 4-Glucuronyltransferase 1 (B4GAT1) catalyzes β -1,4 linked glucuronic acid addition to galactose residues, participates in the formation of proteoglycan tetrasaccharide linkers, and plays an important role in glycosaminoglycan biosynthesis and extracellular matrix research.
Applications	Beta-1, 4-Glucuronyltransferase 1 (B4GAT1) is applied in proteoglycan linker region detection kit development and extracellular matrix glycan assay reagent preparation.
CAS No.	24-2-13547
Enzyme Source	CHO-derived
Reaction	3-O-[beta-D-Xyl- (1->4)-Rib-ol-P-Rib-ol-P-3-beta-D-GalNAc- (1->3)-beta-D-GlcNAc- (1->4)- (O-6-P-alpha-D-Man)]-Thr-[protein] + UDP-alpha-D-glucuronate = 3-O-[beta-D-GlcA- (1->3)-beta-D-Xyl- (1->4)-Rib-ol-P-Rib-ol-P-3-beta-D-GalNAc- (1->3)-beta-D-GlcNAc- (1->4)- (O-6-P-alpha-D-Man)]-Thr-[protein] + H ⁺ + UDP
Activity Definition	Measured by its ability to transfer GlcA from UDP-GlcA to Xylose.