

Beta-1, 3-N-Acetylglucosaminyltransferase 4 (B3GNT4)

Product Information

Cat#	DIA-639
Descriptions	Beta-1, 3-N-Acetylglucosaminyltransferase 4 (B3GNT4) exhibits high substrate specificity for core 2 O-glycans, catalyzes β -1,3 N-acetylglucosamine addition to extend O-linked glycan chains, and is applied in mucin-type glycan synthesis and glycobiology studies.
Applications	Beta-1, 3-N-Acetylglucosaminyltransferase 4 (B3GNT4) is suitable for core 2 O-glycan detection kit development and mucin glycosylation assay reagent preparation.
CAS No.	24-1-1493
Enzyme Commission Number	EC 2.4.1.149
Enzyme Source	CHO-derived
Reaction	A beta-D-galactosyl- (1->4)-N-acetyl-beta-D-glucosaminyl derivative + UDP-N-acetyl-alpha-D-glucosamine = an N-acetyl-beta-D-glucosaminyl- (1->3)-beta-D-galactosyl- (1->4)-N-acetyl-beta-D-glucosaminyl derivative + H ⁺ + UDP
Activity Definition	Measured by its ability to transfer N-acetylglucosamine from UDP-GlcNAc to beta-lactose.