

Beta-1, 3-N-Acetylglucosaminyltransferase 6 (B3GNT6)

Product Information

Cat#	DIA-640
Descriptions	Beta-1, 3-N-Acetylglucosaminyltransferase 6 (B3GNT6) specializes in synthesizing core 3 O-glycan structures by adding β -1,3 linked N-acetylglucosamine to GalNAc residues, plays a key role in intestinal mucin glycosylation, and supports gastrointestinal glycobiology research.
Applications	Beta-1, 3-N-Acetylglucosaminyltransferase 6 (B3GNT6) is used for core 3 O-glycan detection kit development and intestinal mucin glycosylation assay reagent development.
CAS No.	24-1-1474
Enzyme Commission Number	EC 2.4.1.147
Enzyme Source	CHO-derived
Reaction	3-O-[N-acetyl-alpha-D-galactosaminy]-L-threonyl-[protein] + UDP-N-acetyl-alpha-D-glucosamine = 3-O-[N-acetyl-beta-D-glucosaminy]- (1->3)-N-acetyl-alpha-D-galactosaminy]-L-threonyl-[protein] + H ⁺ + UDP
Activity Definition	Measured by its ability to transfer GlcNAc from UDP-GlcNAc to 4-nitrophenyl-alpha -D-galactosaminide.