

Polypeptide N-Acetylgalactosaminyltransferase 12 (GALNT12)

Product Information

Cat#	DIA-795
Descriptions	Polypeptide N-acetylgalactosaminyltransferase 12 (GALNT12) is predominantly expressed in gastrointestinal tract tissues, mediates O-glycosylation of intestinal mucins, maintains mucosal barrier function, and is associated with colorectal cancer development and progression.
Applications	Polypeptide N-acetylgalactosaminyltransferase 12 (GALNT12) serves as a raw material for gastrointestinal mucin glycosylation detection kits and mucosal barrier assay reagent development.
Enzyme Commission Number	EC 2.4.1.41
Enzyme Source	CHO-derived
Reaction	L-seryl-[protein] + UDP-N-acetyl-alpha-D-galactosamine = 3-O-[N-acetyl-alpha-D-galactosaminyl]-L-seryl-[protein] + H ⁺ + UDP
Activity Definition	Measured by its ability to transfer GalNAc from UDP-GalNAc to peptide EA2 .