

Polypeptide N-Acetylgalactosaminyltransferase 4 (GALNT4)

Product Information

Cat#	DIA-801
Descriptions	Polypeptide N-acetylgalactosaminyltransferase 4 (GALNT4) is highly expressed in gastric and intestinal epithelial tissues, mediates O-glycosylation of secreted mucins, and contributes to mucosal innate immunity and host-microbe interaction.
Applications	Polypeptide N-acetylgalactosaminyltransferase 4 (GALNT4) is applied in gastrointestinal mucosal immunity detection kits and epithelial mucin glycosylation assay reagent development.
CAS No.	24-01-4112
Enzyme Commission Number	EC 2.4.1.41
Enzyme Source	Trichoplusia ni, High Five (baculovirus)-derived human Polypeptide Gal Nac Trans.
Reaction	L-seryl-[protein] + UDP-N-acetyl-alpha-D-galactosamine = 3-O-[N-acetyl-alpha-D-galactosaminy]-L-seryl-[protein] + H ⁺ + UDP
Activity Definition	Measured by its ability to transfer GalNAc from UDP-GalNAc to peptide EA2.