

Polypeptide N-Acetylgalactosaminyltransferase 10 (GALNT10)

Product Information

Cat#	DIA-793
Descriptions	Polypeptide N-acetylgalactosaminyltransferase 10 (GALNT10) displays restricted tissue expression and unique substrate preference, mediates site-specific O-GalNAc modification of target glycoproteins, and participates in tumor progression and tissue-specific glycosylation regulation.
Applications	Polypeptide N-acetylgalactosaminyltransferase 10 (GALNT10) is applied in tumor-associated O-glycosylation detection kits and tissue-specific glycan assay reagent development.
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-galactosaminyl]-L-seryl-[protein] + H ⁺ + UDP
Activity Definition	Measured by its ability to transfer GalNAc from UDP-GalNAc to peptide MUC5AC-3/13 .