

Polypeptide N-Acetylgalactosaminyltransferase 3 (GALNT3)

Product Information

Cat#	DIA-800
Descriptions	Polypeptide N-acetylgalactosaminyltransferase 3 (GALNT3) specifically mediates O-glycosylation of fibroblast growth factor 23, regulates systemic phosphate homeostasis, and is closely associated with bone metabolism disorders and familial tumoral calcinosis.
Applications	Polypeptide N-acetylgalactosaminyltransferase 3 (GALNT3) is suitable for phosphate metabolism related glycosylation detection kits and bone metabolism 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 EA2 .