

Polypeptide N-Acetylgalactosaminyltransferase 13 (GALNT13)

Product Information

Cat#	DIA-796
Descriptions	Polypeptide N-acetylgalactosaminyltransferase 13 (GALNT13) exhibits neuron-specific expression patterns, mediates O-GalNAc modification of neural glycoproteins, and regulates neural development, synaptic function and nervous system homeostasis.
Applications	Polypeptide N-acetylgalactosaminyltransferase 13 (GALNT13) is suitable for neural tissue O-glycosylation detection kits and nervous system glycan assay reagent development.
Enzyme Commission Number	EC 2.4.1.41
Enzyme Source	HEK293-derived
Reaction	$\text{L-seryl-[protein]} + \text{UDP-N-acetyl-}\alpha\text{-D-galactosamine} = 3\text{-O-[N-acetyl-}\alpha\text{-D-galactosaminyl]-L-seryl-[protein]} + \text{H}^+ + \text{UDP}$
Activity Definition	Measured by its ability to transfer GalNAc from UDP-GalNAc to peptide EA2.