

ST6 Sialyltransferase 2 (ST6GALNAC2)

Product Information

Cat#	DIA-869
Descriptions	ST6 Sialyltransferase 2 (ST6GALNAC2) preferentially acts on GalNAc-terminated glycopeptide substrates, catalyzes α -2,6 sialylation of O-GalNAc residues, and regulates mucin-type O-glycan maturation and function.
Applications	ST6 Sialyltransferase 2 (ST6GALNAC2) is used for O-glycan sialylation detection kits and mucin glycosylation maturation assay reagent development.
CAS No.	24-3-31310
Enzyme Commission Number	EC 2.4.3.3
Enzyme Source	Trichoplusia ni, High Five (baculovirus)-derived mouse ST6 Sialyltransferase 2/ST6GALNAC2 protein.
Reaction	a beta-D-galactosyl- (1->3)-N-acetyl-alpha-D-galactosaminy derivative + CMP-N-acetyl-beta-neuraminate = a beta-D-galactosyl- (1->3)-[N-acetyl-alpha-neuraminy- (2->6)]-N-acetyl-alpha-D-galactosaminy derivative + CMP + H ⁺
Activity Definition	Measured by its ability to transfer Neu5Ac from CMP-Neu5Ac to fetuin of fetal calf serum.