

ST6 Gal Sialyltransferase 1 (ST6GAL1)

Product Information

Cat#	DIA-866
Descriptions	ST6 Gal Sialyltransferase 1 (ST6GAL1) is the predominant sialyltransferase that catalyzes α -2,6 linked sialic acid addition to terminal galactose of N-glycans, modulates cell surface receptor function, and is widely studied for its roles in cancer progression and immune regulation.
Applications	ST6 Gal Sialyltransferase 1 (ST6GAL1) serves as a core tool for N-glycan α 2,6 sialylation detection kits and cancer progression assay reagent development.
CAS No.	24-3-11307
Enzyme Commission Number	EC 2.4.3.1
Enzyme Source	Trichoplusia ni, High Five (baculovirus)-derived human ST6 Gal Sialyltransferase 1/ST6GAL1 protein.
Reaction	a beta-D-galactoside + CMP-N-acetyl-beta-neuraminate = an N-acetyl-alpha-neuraminy- (2->6)-beta-D-galactosyl derivative + CMP + H ⁺
Activity Definition	Measured by its ability to transfer Neu5Ac from CMP-Neu5Ac to N-Acetylactosamine.