

ST3 Beta-Gal Alpha-2, 3-Sialyltransferase 3 (ST3GAL3)

Product Information

Cat#	DIA-862
Descriptions	ST3 Beta-Gal Alpha-2, 3-Sialyltransferase 3 (ST3GAL3) preferentially sialylates type 2 N-acetyllactosamine chains on glycoproteins, mediates α -2,3 linked sialic acid addition, and plays important roles in immune cell trafficking and nervous system development.
Applications	ST3 Beta-Gal Alpha-2, 3-Sialyltransferase 3 (ST3GAL3) serves as a raw material for immune cell glycosylation detection kits and nervous system glycan assay reagent development.
CAS No.	24-3-61303
Enzyme Commission Number	EC 2.4.3.6
Enzyme Source	Trichoplusia ni, High Five (baculovirus)-derived human ST3GAL3 protein.
Reaction	a beta-D-galactosyl- (1->4)-N-acetyl-beta-D-glucosaminyl derivative + CMP-N-acetyl-beta-neuraminate = an N-acetyl-alpha-neuraminyl- (2->3)-beta-D-galactosyl- (1->4)-N-acetyl-beta-D-glucosaminyl derivative + CMP + H ⁺
Activity Definition	Measured by its ability to transfer Neu5Ac from CMP-Neu5Ac to N-Acetyllactosamine.