

ST6 Sialyltransferase 4 (ST6GALNAC4)

Product Information

Cat#	DIA-870
Descriptions	ST6 Sialyltransferase 4 (ST6GALNAC4) mediates α -2,6 sialylation of ganglioside substrates to synthesize disialoganglioside structures, is highly expressed in neural tissues, and supports ganglioside biosynthesis and brain glycobiology research.
Applications	ST6 Sialyltransferase 4 (ST6GALNAC4) serves as a raw material for disialoganglioside detection kits and neural glycan biosynthesis assay reagent development.
CAS No.	24-3-71311
Enzyme Commission Number	EC 2.4.3.7
Enzyme Source	Trichoplusia ni, High Five (baculovirus)-derived human ST6GALNAC4 protein.
Reaction	an α -Neu5Ac- (2->3)-beta-D-Gal- (1->3)-D-GlcNAc derivative + CMP-N-acetyl-beta-neuraminate = an α -Neu5Ac- (2->3)-beta-D-Gal- (1->3)-[α -Neu5Ac- (2->6)]-D-GlcNAc-R + CMP + H ⁺
Activity Definition	Measured by its ability to transfer Neu5Ac from CMP-Neu5Ac to fetuin of fetal calf serum.