

ST8 Alpha-2, 8-Sialyltransferase 8A (ST8SIA1)

Product Information

Cat#	DIA-875
Descriptions	ST8 Alpha-2, 8-Sialyltransferase 8A (ST8SIA1), also known as GD3 synthase, catalyzes the addition of α -2,8 linked sialic acid to GM3 to form GD3 ganglioside, is essential for b-series ganglioside biosynthesis, and regulates neural cell development and tumor progression.
Applications	ST8 Alpha-2, 8-Sialyltransferase 8A (ST8SIA1) is applied in GD3 ganglioside detection kits and b-series ganglioside biosynthesis assay reagent development.
CAS No.	24-4-81314
Enzyme Commission Number	EC 2.4.3.8
Enzyme Source	CHO-derived
Reaction	an N-acetyl-alpha-neuraminy- (2->3)-beta-D-galactosyl derivative + CMP-N-acetyl-beta-neuraminate = an N-acetyl-alpha-neuraminy- (2->8)-N-acetyl-alpha-neuraminy- (2->3)-beta-D-galactosyl derivative + CMP + H ⁺
Activity Definition	Measured by its ability to transfer Neu5Ac from CMP-Neu5Ac to fetuin of fetal calf serum.