

CMP-sialic acid Synthetase (NmCSS)

Product Information

Cat#	DIA-679
Descriptions	CMP-sialic acid synthetase (NmCSS) from <i>Neisseria meningitidis</i> catalyzes the formation of CMP-sialic acid from sialic acid and CTP, serves as a key enzyme for activated sialic acid donor synthesis, and supports large-scale sialylated glycan production.
Applications	CMP-sialic acid synthetase (NmCSS) serves as a key biocatalyst for sialic acid donor synthesis detection kits and large-scale sialylated glycan production assay reagent development.
CAS No.	127-7-43
Enzyme Commission Number	EC 2.7.7.43
Enzyme Source	<i>Neisseria meningitidis</i> .
Reaction	Neu5Ac + CTP = CMP-Neu5Ac + PPi
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μmol CMP-Neu5Ac from CTP and Neu5Ac per minute at 37°C.