

Sialic Acid Aldolase (CgNal)

Product Information

Cat#	DIA-854
Descriptions	Sialic acid aldolase (CgNal) derived from <i>Corynebacterium glutamicum</i> catalyzes the reversible aldol cleavage of N-acetylneuraminic acid into N-acetylmannosamine and pyruvate, is a key biocatalyst for sialic acid biosynthesis, and supports large-scale production of sialic acid and its derivatives.
Applications	Sialic acid aldolase (CgNal) is applied in sialic acid content detection kits and sialic acid derivative synthesis assay reagent development.
CAS No.	41-3-34
Enzyme Commission Number	EC 4.1.3.3
Enzyme Source	E.coli recombinant Sialic acid aldolase from <i>Corynebacterium glutamicum</i> .
Reaction	ManNAc + Pyruvate = Neu5Ac
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μ mol Neu5Ac from ManNAc and Pyruvate per minute at 37°C.