Creative Enzymes®

α-2,3/8-sialyltransferase from Campylobacter jejuni, Recombinant

Cat. No. NATE-1476

Lot. No. (See product label)

Introduction

Description	Sialyltransferases are enzymes that transfer sialic acid to nascent oligosaccharide. Each sialyltransferase is specific for a particular sugar substrate. Sialyltransferases add sialic acid to the terminal portions of the sialylated glycolipids (gangliosides) or to the N-or O-linked sugar chains of glycoproteins. Sialyltransferases belong to glycosyltransferase family 29 (CAZY GT_29) which use a nucleotide monophosphosugar as the donor (CMP-NeuA) instead of a nucleotide diphosphosugar.
Synonyms	α (2,3)-Sialyltransferase; Beta-galactoside alpha-2,3-sialyltransferase; Beta-galactosamide alpha-2,3-sialyltransferase; CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase

Product Information

Species	Campylobacter jejuni
Source	E. coli
EC Number	EC 2.4.99.-
Molecular Weight	31 kDa
Purity	min 95% by SDS-PAGE
Unit Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μmol Siaα2,3Lac from CMP-Sia and Lactose per minute at 37 °C.