

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 α -2,3-sialyltransferase; Beta-galactosamide α -2,3-sialyltransferase; CMP-N-acetylneuraminate-beta-galactosamide- α -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 μ mol Sia α 2,3Lac from CMP-Sia and Lactose per minute at 37 °C.