

## **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.