

## $\alpha(2\rightarrow3,6)$ Neuraminidase from *Clostridium perfringens*, Recombinant

Cat. No. NATE-0972

Lot. No. (See product label)

### Introduction

**Description** Releases  $\alpha(2-3,6)$ -linked sialic acid from oligosaccharides, glycoproteins, complex carbohydrates.

**Applications** Structural analysis of oligosaccharides; Determining sialic acid linkage; Glycoprotein deglycosylation; Removing heterogeneity from glycoproteins

**Synonyms** neuraminidase; sialidase;  $\alpha$ -neuraminidase; acetylneuraminidase; exo- $\alpha$ -sialidase

### Product Information

**Species** *Clostridium perfringens*

**Source** E. coli

**Form** A sterile-filtered solution in 20 mM Tris-HCl, 25 mM NaCl (pH 7.5).

**Molecular Weight** ~41 kD

**Activity** >10 U/ml (>40 U/mg)

**Optimum pH** 6

**Specificity** This enzyme releases  $\alpha 2-3$ , and  $\alpha 2-6$  linked N-acetylneuraminic acid from complex carbohydrates. This enzyme will not efficiently cleave NeuAc  $\alpha 2-6$  linked to N-acetylgalactosamine (GalNAc) when the GalNAc is labeled with a fluorophore.

**Buffer** 5X concentrated buffer which when diluted gives 50 mM sodium phosphate pH 6.0.

**Unit Definition** One unit is defined as the amount of enzyme required to catalyze the release of 1  $\mu$ mole of p-nitrophenol from p-nitrophenyl- $\alpha$ -D-N-acetylneuraminic acid per minute at 37°C, pH 5.5.

### Storage and Shipping Information

**Storage** Store at 2-8°C. DO NOT FREEZE.