

$\alpha(2\rightarrow3,6)$ 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; α -neuraminidase; acetylneuraminidase; exo- α -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 μ mole of p-nitrophenol from p-nitrophenyl- α -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.