

$\alpha(2\rightarrow 3,6)$ 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 α 2-3, and α 2-6 linked N-acetylneuraminic acid from complex carbohydrates. This enzyme will not efficiently cleave NeuAc α 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.