

$\alpha(2\rightarrow3,6,8,9)$ Neuraminidase from *Arthrobacter ureafaciens*, Recombinant

Cat. No. NATE-0758

Lot. No. (See product label)

Introduction

Description Neuraminidase is the common name for Acetyl-neuraminyl hydrolase (Sialidase). α 2-3,6,8,9 Neuraminidase catalyzes the hydrolysis of all linear and branched non-reducing terminal sialic acid residues from glycoproteins and oligosaccharides. The enzyme releases α 2-3 and α 2-6 linkages at a slightly higher rate than α 2-8 and α 2-9 linkages.

Synonyms neuraminidase; sialidase; α -neuraminidase; acetylneuraminidase; exo- α -sialidase; EC 3.2.1.18; 9001-67-6; α 2-3,6,8,9 Neuraminidase A; α 2-3,6,8,9 Neuraminidase; $\alpha(2\rightarrow3,6,8,9)$ Neuraminidase

Product Information

Species *Arthrobacter ureafaciens*

Source *E. coli*

Form Supplied in: 50 mM NaCl, 20 mM Tris-HCl (pH 7.5 @ 25°C) and 1 mM EDTA.

EC Number EC 3.2.1.18

CAS No. 9001-67-6

Molecular Weight 100,000 daltons.

Activity ~316,000 units/mg.

Concentration 20,000 U/ml

Unit Definition One unit is defined as the amount of enzyme required to cleave > 95% of the terminal α -Neu5Ac from 1 nmol Neu5Ac α 2-3Gal β 1-3GlcNAc β 1-3Gal β 1-4Glc-AMC, in 1 hour at 37°C in a total reaction volume of 10 μ l.

Storage and Shipping Information

Storage at -20°C