Creative Enzymes®

α(2→3,6,8,9) 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). α2-3,6,8,9 Neuraminidase catalyzes the hydrolysis of all linear and branched non-reducing terminal sialic acid residues from glycoproteins and oligosaccharides. The enzyme releases α2-3 and α2-6 linkages at a slightly higher rate than α2-8 and α2-9 linkages.
Synonyms	neuraminidase; sialidase; α-neuraminidase; acetylneuraminidase; exo-α-sialidase; EC 3.2.1.18; 9001-67-6; α2-3,6,8,9 Neuraminidase A; α2-3,6,8,9 Neuraminidase; α(2→3,6,8,9) 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 Neu5Acα2-3Galβ1- 3GlcNAcβ1-3Galβ1-4Glc-AMC, in 1 hour at 37°C in a total reaction volume of 10 µl.

Storage and Shipping Information

Storage	at -20°C